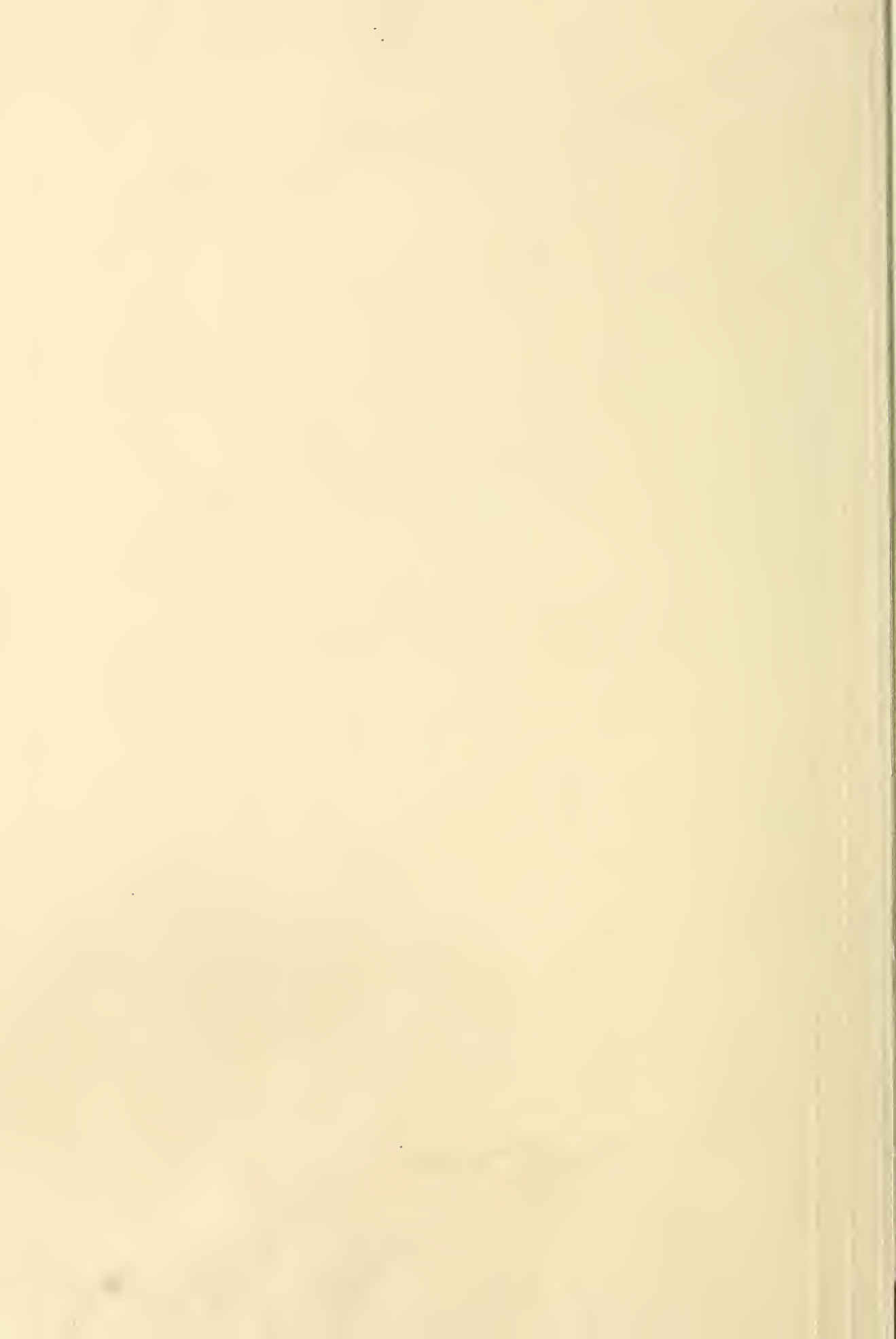


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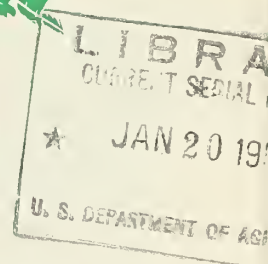


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ARS 44-13



TURKEY Performance Test 1958

AGRICULTURAL RESEARCH SERVICE
U.S. DEPARTMENT OF AGRICULTURE

FOREWORD

The National Turkey Improvement Plan provides for three types of tests through which the performance of a representative sample of the entrant's stock is measured. The tests are: (1) Turkey Reproduction Test, (2) Central Turkey Meat Production Test, and (3) On-the-Farm Turkey Meat Production Test. The detailed provisions for these tests are contained in USDA Miscellaneous Publication 739. Copies of this publication may be obtained from Official State Agencies for the National Turkey Improvement Plan or by writing directly to the Animal Husbandry Research Division, Agricultural Research Center, Beltsville, Maryland.

The Plan provides that the results of the tests reported to the AH Division by December 1 shall be published in a national summary alphabetically by test and entries. This publication contains the results of the 1958 tests as submitted by the supervising agencies.

A Turkey Reproduction Test was conducted in Oregon and Central Turkey Meat Production Tests were conducted in Kansas, Minnesota, Nebraska, North Dakota, Pennsylvania and Texas. In the Pennsylvania test, the birds were grown in two houses with twenty entries in one house, ten in the other. Conditions in the two houses were similar but the birds in one house were seriously affected by an outbreak of sinusitis which did not occur in the other. Because of this variation, the entries in the two houses are reported as two separate tests. The entries subjected to the sinusitis outbreak are reported as test "B" while those in the unaffected group are reported as test "A".

Evaluation of Results

In the evaluation of the results, no direct comparison should be made between entries in different tests. While the same general procedure was followed in all tests, there were differences, as illustrated by the explanation of feed conversion ratios. There were also variations in the ages of the birds at the time the tests were terminated. Because of these variations and the unavoidable differences between tests in measuring techniques and the application of grading standards, comparisons of results reported in this summary should be made only between entries within a test.

In comparing entries, the possibility of differences being due to chance alone should be recognized. Obviously, small differences may be due to chance rather than to a genetic difference in the stocks tested. However, differences should not be ignored solely because they are small nor should larger differences be accepted as signifying genetic differences because they are large.

It would be difficult to determine precisely what part of the difference between two entries was due to a true genetic difference in the stocks and that which was due to chance alone. Statistical procedures may be applied to test data which will indicate the probability of similar differences occurring in subsequent tests. The NTIP provides that one of these procedures, Duncan's Multiple Range Test, be applied to central turkey meat production tests and the results included in the national summary.

Statistical Significance of Differences

In applying Duncan's Multiple Range Test, the weights and measurements of each entry are compared to those of each other entry. The differences occurring are tested to determine whether they are statistically significant. The results of the statistical analysis are reported in a line chart which was prepared as follows: (1) For each test and for each trait measured, the entry numbers (shown with the entrant's name in the tables of results) were arranged with the entry having the largest weight or measurement on the left and in descending order to the smallest on the right; (2) A line (underscore) was then drawn under the first entry number and was extended under the number of each entry which did not differ significantly from the first entry; (3) This procedure was followed for each entry in the test.

In the completed chart, those entries whose numbers are underscored by a common line are not significantly different. For example, in the following illustration, entry No. 3 was the largest but not statistically different from entries 5 and 2. Entry 5 was not significantly different from 3, 2, 4 or 9 but was significantly larger than 10, 8, 7, 1 and 6. Entry 6 was the smallest but was not significantly smaller than 7 or 1.

Entry No.	3	5	2	4	9	10	8	7	1	6
	<u> </u>									
	**					**				**

Information in this report was compiled by the Animal Husbandry Research Division, Agricultural Research Service, from data supplied by the Test Supervisors and analyzed by Biometrical Services, ARS.

Explanation of Terms and Abbreviations

Entrant: In the tables of results of the Central Turkey Meat Production Tests only the abbreviated names of the entrants and the State in which they are located are given. The complete names and addresses of all entrants appear on pages 4 and 5.

Kind of Stock:

Variety names -

BBB	-	Broad Breasted Bronze	BN	-	Broad Nebraskan
BBLW	-	Broad Breasted Large White	MW	-	Medium White
BBW	-	Broad Breasted White	WH	-	White Holland
BW	-	Broad White	LW	-	Large White

Kind of Flocks Represented -

BR	-	Breeder Replacement Flocks
SF	-	Supply Flock
EXP	-	Experimental mating, no eggs or poult sold during the 1957-58 season.

Strain or Trade Name:

S. C. - Strain Cross

Mating Procedure:

Nat.	-	Natural mating
Art.	-	Artificial insemination
Both	-	Natural mating, supplemented with artificial insemination.

Coefficient of Variability: As the uniformity of the entry increases the numerical value of the coefficient of variability decreases.

Eviscerated Weight: The weight of the fully dressed birds, including the necks and giblets, except in the Minnesota and North Dakota tests where the giblets were not included.

Dressing Percentage: The eviscerated weight expressed as a percentage of the live weight.

Body Measurements: The measurements reported were made on the New York Dressed birds, except in the Minnesota test where the measurements were made on the live birds.

Feed Conversion Ratio: The figures reported by the Kansas, Pennsylvania and Texas tests represent the pounds of feed required to produce one pound of live turkey.

In the Pennsylvania test the entries were intermingled until eight weeks of age. During this period, feed consumption was recorded and subsequently computed for each entry on a pro-rata basis. From eight weeks to the end of the test, the entries were separated and feed consumption recorded for each entry. The reported feed conversion ratio is based on the computed consumption for the first 8 weeks and the recorded consumption for the remainder of the test.

In the Kansas test the entries were intermingled for the first 8 weeks. At this time 50 birds, 25 of each sex, were selected at random from each entry and were separated by entries for the remainder of the test. The feed conversion ratios reported are based on the feed consumption and weight gains of the birds in these groups from 8 weeks of age to the end of the test.

In the Texas test, the ratios were obtained in the same manner with the following exceptions: (1) The birds were intermingled by entries but separated by sexes for the first 4 weeks. (2) After 4 weeks, representative samples of 25 toms and 25 hens from each entry were retained in separate pens and feed consumption recorded for each sample. (3) The reported ratio is based on feed consumption by the 25-bird samples and the computed consumption for the first 4 weeks.

1958 TURKEY REPRODUCTION TEST

Supervisor - Earl Reitsma, Oregon State Department of Agriculture, Corvallis

Participant: View Point Hatchery, Rt. 5, Box 104, Salem, Oregon
 Variety: Broad Breasted Bronze
 Kind of Stock: Breeder Replacement
 Mating Procedure: Natural
 Number of hens in test: 550
 Number of hens in flocks represented: 1,057
 Average number of salable poultz produced per hen: 20.55

1958 CENTRAL TURKEY MEAT PRODUCTION TESTS

Supervisors

Kansas - Harry J. Reed, Kansas Poultry Association, P.O. Box 663, Manhattan
 Minnesota - Roy C. Munson, Department of Agriculture, 611 State Office Bldg., St. Paul 1
 Nebraska - John L. Skinner, Extension Poultryman, University of Nebraska, Lincoln 3
 North Dakota - B. J. Duke, N. D. Poultry Improvement Board, State Capitol, Bismarck
 Pennsylvania - Raymond D. Schar, Poultry Division, Dept. of Agriculture, Harrisburg
 Texas - George H. Draper, Supervisor, NTIP, Texas A & M College, College Station

Participants

Name and Address	Page
Anderson's Turkey Farm, Belchertown, Massachusetts	10-24
Anderson Turkey Farm & Hatchery, Perham, Minnesota	8-16
Arnett Turkey Farms, Shedd, Oregon	24
Blue Bonnet Hatchery, Fredonia, Kansas	6
Brady Turkey Farm & Hatchery, Paola, Kansas	6
Browning Turkey Farm, 10 N. Maple St., Winchester, Kentucky.	8-10-16-18-24
Burlington Hatchery, Burlington, Kansas	6
Central Kansas Hatchery, Inc., Moundridge, Kansas	6
Central Missouri Turkey Hatchery, Inc., Eldon, Missouri	8-10-24
Cooper Turkey Hatchery, Oakwood, Ohio	18
DeWitt's Turkey Hatchery, Inc., Waxahachie, Texas	24
Ellison's Turkey Farm & Hatchery, Mulino, Oregon	18
Ephrata Turkey Hatcheries, Inc., Ephrata, Pennsylvania.	18-22
Farmers Hatchery Co., Wadena, Minnesota	8-16
Gibbon Turkey Hatchery, Shelton, Nebraska	10
Gozzi's Turkey Farm, Route #1, Guilford, Connecticut	8-10-16-18-24
Grant's Hatchery, Inc., Clinton, Washington	12
Hall Turkey Ranch, P.O. Box 212, Santa Susana, California	12
Hart's Hatchery, Inc., P.O. Box 749, Medford, Oregon	12
Henning Hatchery, Henning, Minnesota	8
Hilltop Turkey Farm & Hatchery, McPherson, Kansas	6
Ingersoll Turkey Farm, Michigan Valley, Kansas	6
Janes Bar Nothing Ranch, P.O. Box 918, Austin, Texas	24-26

1958 CENTRAL TURKEY MEAT PRODUCTION TESTS

Participants

Name and Address

Page

Janssen Farms Hatcheries, Zeeland, Michigan	12
Jensen Turkey Ranch, 16001 S. Harbor Blvd., Santa Ana, California	8-26
Kent Turkey Hatchery, Johnson City, Texas	26
Koehler Turkey Farm, 703 G St., Geneva, Nebraska	12
Lake's Silver Dollar Turkey Farm & Hatchery, Marysville, Kansas	6
Land O'Lakes Creameries, Inc., Minneapolis, Minnesota	8-16
Linesville Hatcheries, Linesville, Pennsylvania	18-22
Lyons Turkeys, 654 - 14th St., McMinnville, Oregon	12-16
Maplecrest Turkey Farms, Wellman, Iowa	12
Martin, John, R. D. #6, York, Pennsylvania	22
Meadowbrook Turkey Farms, Route 2, Box 2383, Loomis, California	18
Menefee Turkey Ranch, Yamhill, Oregon	22-26
Miller Hatcheries, Ltd., 262 Main St., Winnipeg, Manitoba, Canada	12-22
Nicholas Turkey Breeding Farms, 2300 Napa Road, Sonoma, California	8-12-16-18-22-26
Nichols-Loomis, Inc., P.O. Box 1227, Hemet, California	12
Nokota Hatchery, Devils Lake, North Dakota	16
Norbest Turkey Breeding Farms, P.O. Box 1529, Salt Lake City, Utah	12
Oakdale Farm, Kensington, Minnesota	8
Oppy's Hatchery, Wyndmere, North Dakota	16
Peterson Turkey Hatchery, Cannon Falls, Minnesota	8
Pinetree Turkey Hatchery, Farmington, Minnesota	8
Pinola Hatchery, R. D. #1, Shippensburg, Pennsylvania	20
River Rest Farms, Route 4, Shawnee, Oklahoma	26
Rochester Turkey Hatchery, Inc., Box 1013, Rochester, Minnesota	8
Rogers Hatchery, Wahpeton, North Dakota	16
Rusk's Turkey Hatchery, Route 2, Box 52, Grandview, Washington	14-26
Segars Turkey Breeding Ranch, P.O. Box 1008, Turlock, California	14-20
Seidel, Paul R., Washingtonville, Pennsylvania	22
Shearer, Robert K., R. D. #1, Reinholds, Pennsylvania	20
Sheley Turkey Farm, New Carlisle, Ohio	22
Shelhamer, Glen A., Fairport, New York	20
Shetler's Turkey Hatchery, Thief River Falls, Minnesota	8
Sterling Turkey Hatchery, Inc., Detroit Lakes, Minnesota	8
Stout's Turkey Hatchery, Inc., Richland, Missouri	14
Swift's Hatchery, Detroit Lakes, Minnesota	16
Thompson's Hatchery & Breeding Farm, Pottsville, Arkansas	14-20-22-26
Turrill's Turkey Farm & Hatchery, P.O. Box 51, Laughlintown, Pennsylvania	20
Wallis Turkey Ranch, Cuero, Texas	26
Wampler & Sons, Charles W., R. D. #1, Box 129-C, Harrisonburg, Virginia	20
Warren's Turkey Farm, Winthrop St., Rehoboth, Massachusetts	20
Washore Turkey Association, 920 S. E. Stark, Portland, Oregon	16
Wila Turkey Ranch, L. H. Fosselman, Wila, Pennsylvania	20
Wilford, Harvey M., P.O. Box 185, Elyria, Ohio	20
Worthington Hatchery, Worthington, Minnesota	8
Wright's Turkey Hatchery, Aitkin, Minnesota	8
Wright-Bolton Turkey Ranch, Inc., 1210 - 6th St., David City, Nebraska	14

KANSAS CENTRAL TURKEY MEAT PRODUCTION TEST

ENTRANT	KIND OF STOCK	STRAIN OR TRADE NAME	MATING PRO-CEDURE	NUMBER OF HENS IN FLOCK	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHTS (lbs.)						COEFF. OF VAR. (FINAL LIVE WEIGHT)
					2 * WEEKS	8 WEEKS	END OF TEST		8 WEEKS	12 WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	26 WEEKS	
1. Blue Bonnet, Kansas	BBB	Blue Bonnet	Nat.	2,800	29	30	31	Toms Hens	4.5 3.7	8.0 6.4	17.0 12.0	19.2 13.2	21.9	24.7	9.2 9.3
2. Brady, Kansas	BBB	Nicholas	Both	1,200	5	6	13	Toms Hens	4.7 4.0	8.3 6.8	17.4 12.5	19.5 13.7	22.2	25.8	10.7 5.8
3. Brady, Kansas	BBB	Nicholas #71	Both	1,800	39.3	41	44.6	Toms Hens	4.7 4.1	8.7 7.0	18.6 13.0	20.9 14.2	23.7	26.2	8.2 6.8
4. Cen. Kansas, Kansas	BBB	Nichols-Loomis	Both	900	7.5	7.5	16.9	Toms Hens	5.1 4.4	8.7 7.2	18.6 13.7	20.6 15.0	24.3	27.5	6.9 6.7
5. Central, Kansas	BBW	Keithley	Art.	350	24	28	31	Toms Hens	4.6 3.9	9.0 6.8	18.3 12.4	20.2 13.7	22.7	25.3	9.8 10.8
6. Hilltop, Kansas	BBB	Schmidt	Nat.	2,200	18	19	19	Toms Hens	4.7 3.7	8.4 6.3	18.3 12.1	20.6 13.4	24.1	26.8	10.9 7.6
7. Ingersoll, Kansas	BBB	Ingersoll	Nat.	1,067	2	2	4	Toms Hens	5.0 4.0	8.7 6.9	18.3 12.5	20.4 13.6	22.8	25.2	10.0 8.5
8. Burlington, Kansas	BBB	Rose-A-Linda	Art.	1,200	0	1	9	Toms Hens	4.7 4.0	8.5 7.2	18.4 13.6	20.9 14.9	24.1	27.6	8.3 6.9
9. Lake, Kansas	BBB	Lake	Both	1,900	8.5	9.5	15.9	Toms Hens	4.8 3.9	8.3 6.6	18.4 12.9	20.9 14.7	24.1	27.5	9.9 9.4
Average All Entries					14.8	16.0	20.4	Toms Hens	4.7 4.0	8.6 6.9	18.1 12.8	20.3 14.0	23.3	26.3	9.3 8.0
Average Bronze Entries					13.7	14.5	19.1	Toms Hens	4.8 4.0	8.5 6.9	18.1 12.8	20.4 14.1	23.4	26.4	9.3 7.6
Average White Entries					24.0	28.0	31.0	Toms Hens	4.6 3.9	9.0 6.8	18.3 12.4	20.2 13.5	22.7	25.3	9.8 10.8

Statistical Significance of Differences Between Entries

Final Live Weight

Entry No.	Toms	8	9	4	6	3	2	5	7	1
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Entry No.	Hens	4	8	9	3	5	2	7	6	1
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Eviscerated Weight

Entry No.	Toms	8	4	9	6	3	2	5	7	1
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Entry No.	Hens	4	8	9	3	5	2	7	6	1
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Dressing Percentage

Entry No.	Toms	8	3	1	6	4	5	2	9	7
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Entry No.	Hens	8	5	2	3	4	1	7	6	9
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* High mortality due to cannibalism during second week.

KANSAS CENTRAL TURKEY MEAT PRODUCTION TEST

Eviscerated Weight		Dressing Percentage	Breast Width		Body Depth		Keel Length		Overall Quality			% U. S. Grade A For:			Feed Conversion Ratio*	Entrant
Pounds	Coeff. of Var.		Inches	Coeff. of Var.	Inches	Coeff. of Var.	Inches	Coeff. of Var.	% U. S. Grade			Fleshing	Finish	Freedom of Pin-Feathers		
20.3	9.2	82.2	4.3	7.2	9.0	4.6	7.5	4.5	100.0							
10.7	8.9	81.1	4.0	9.3	6.9	4.0	6.2	3.9	94.7	5.3		100.0	100.0	100.0	4.31	1
21.1	10.5	81.7	4.6	6.3	9.1	3.6	7.5	4.3	100.0							
11.1	6.1	81.5	3.9	8.2	7.0	3.0	6.1	3.0	100.0			100.0	100.0	100.0	4.73	2
21.6	9.1	82.5	4.9	7.0	9.1	2.3	7.4	3.9	100.0							
11.5	6.6	81.3	4.0	8.5	7.1	3.5	6.2	3.9	100.0			100.0	100.0	100.0	4.82	3
22.5	6.7	81.7	4.7	6.9	9.2	2.6	7.6	3.5	100.0							
12.2	7.6	81.3	4.0	4.5	7.1	2.9	6.3	3.0	100.0			100.0	100.0	100.0	4.96	4
20.7	9.8	81.7	4.8	7.9	8.9	3.9	7.2	4.0	100.0							
11.2	11.4	81.6	4.1	8.0	6.9	4.8	5.9	5.2	100.0			100.0	100.0	100.0	4.87	5
22.0	11.2	82.2	4.6	9.4	9.1	4.2	7.6	4.9	100.0							
10.8	7.8	80.4	3.7	7.0	6.9	3.5	6.0	3.7	97.9	2.1		100.0	100.0	100.0	4.42	6
20.4	9.7	81.0	4.1	10.4	9.2	3.8	7.6	3.9	100.0							
10.9	8.0	80.5	3.7	9.4	7.1	4.1	6.2	4.4	97.8		2.2	100.0	100.0	100.0	4.53	7
22.9	8.1	83.1	5.4	7.5	8.9	3.3	7.5	4.1	100.0							
12.1	7.3	81.7	4.4	7.2	6.8	3.7	6.1	3.5	100.0			100.0	100.0	100.0	4.52	8
22.4	9.9	81.3	4.6	7.9	9.4	3.0	7.8	4.3	97.3		2.7					
11.7	10.5	79.8	3.9	5.9	7.1	4.1	6.3	3.7	95.2	2.4	2.4	100.0	100.0	100.0	4.37	9
21.5	9.4	81.9	4.7	7.8	9.1	3.5	7.5	4.2	99.4	.3	.3					
11.4	8.2	81.0	4.0	7.6	7.0	3.7	6.1	3.8	98.6	.8	.6	100.0	100.0	100.0	4.61	Av.
21.7	9.3	82.0	4.7	7.8	9.1	3.4	7.6	4.2	99.4	.3	.3					
11.4	7.9	81.0	4.0	7.5	7.0	3.6	6.2	3.6	98.5	.9	.6	100.0	100.0	100.0	4.58	Av. Bronze Entries
20.7	9.8	81.7	4.8	7.9	8.9	3.9	7.2	4.0	100.0							
11.2	11.4	81.6	4.1	8.0	6.9	4.8	5.9	5.2	100.0			100.0	100.0	100.0	4.87	Av. White Entries

Statistical Significance of Differences Between Entries

Toms		Breast Width							
Entry No.	8	3	5	4	2	6	9	1	7
Hens									
Entry No.	8	5	3	1	4	9	2	7	6
Toms									
Entry No.	9	7	4	3	6	2	1	5	8
Hens									
Entry No.	9	4	7	3	2	1	5	6	8
Toms									
Entry No.	9	7	4	6	8	1	2	3	5
Hens									
Entry No.	4	9	3	7	1	2	8	6	5

* Both sexes

MINNESOTA CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

ENTRANT	KIND OF STOCK	STRAIN OR TRADE NAME	MATING PROCEDURE	NUMBER OF HENS IN FLOCK	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHTS (lbs.)						COEFF. OF VAR. (FINAL LIVE WEIGHT)
					25 WEEKS	12 WEEKS	END OF TEST		8 WEEKS	12 WEEKS *	20 WEEKS	22 WEEKS	24 WEEKS	25 WEEKS	
1. Anderson, Minnesota	BW	Kolbs Superior	Both	900	39	45	48	Toms Hens		8.4	19.2 13.7		14.5	23.7	7.6 5.8
2. Browning, Kentucky	BBB	Browning	Both	42,500	9	11	16	Toms Hens		9.2	20.3 14.0		15.0	26.1	8.7 7.2
3. Central Mo., Missouri	BBB	Waites	Nat	22,000	11	11	18	Toms Hens		9.5	20.9 14.7		15.6	26.8	8.5 7.6
4. Farmers, Minnesota	BBB	F & H	Both	5,191	16	16	24	Toms Hens		9.5	21.3 14.5		15.7	26.6	9.9 8.1
5. Gozzi, Connecticut	BBW	Guilford White	Both	4,000	39	39	42	Toms Hens		8.3	20.0 13.4		14.4	25.5	6.7 7.6
6. Henning, Minnesota	BBB	Henning	Both	9,800	10	13	17	Toms Hens		9.4	22.4 14.8		15.8	27.4	8.3 7.1
7. Jensen, California	BBB	Jensen	Both	11,000	25	34	33	Toms Hens		8.8	21.2 14.5		15.7	27.3	8.0 9.0
8. Land O'Lakes, Minnesota	BBW	Land O' Lakes	Both	7,600	6	6	11	Toms Hens		8.6	20.2 13.8		14.7	25.7	8.2 7.2
9. Land O'Lakes, Minnesota	BBB	Land O' Lakes	Nat.	26,500	9	16	22	Toms Hens		8.5	19.8 13.2		14.1	24.7	6.6 7.4
10. Nicholas, California	LW	Nicholas	Both	1,800	12	16	50	Toms Hens		9.7	21.0 14.5		15.4	26.3	4.5 2.8
11. Nicholas, California	BBB	Nicholas S.C. "71"	Both	1,400	10	12.6	17.6	Toms Hens		9.2	21.1 14.3		15.3	25.9	8.7 8.7
12. Oakdale, Minnesota	BN	Nebraskan	Nat.	550	46	47	51	Toms Hens		8.0	19.0 12.6		13.5	23.2	5.9 4.4
13. Peterson, Minnesota	BBB	Nicholas	Both	2,600	15	21	22	Toms Hens		8.9	20.3 14.5		15.1	25.7	8.0 7.7
14. Pinetree, Minnesota	BBLW	River Rest	Both	1,100	14	20	20	Toms Hens		7.7	18.3 12.4		13.3	23.5	7.5 9.1
15. Rochester, Minnesota	BBW	Rochester	Nat.	65,000	13	19	20	Toms Hens		8.5	19.7 13.4		14.3	24.7	7.5 6.9
16. Shetlers, Minnesota	BBB	Norminn	Both	5,000	2	2	8	Toms Hens		8.9	20.7 14.2		15.6	26.2	6.8 6.4
17. Sterling, Minnesota	BBB	Hart-Schneider	Art.	6,800	6	14	21	Toms Hens		9.2	20.5 14.4		15.3	26.2	7.6 5.8
18. Worthington, Minnesota	BBB	Worthington	Nat.	15,000	6	6	8	Toms Hens		8.5	19.3 13.7		14.5	25.4	6.5 7.8
19. Worthington, Minnesota	BW	Thompson	Nat.	15,000	20	22	25	Toms Hens		7.7	18.1 12.2		13.1	23.4	7.0 6.1
20. Wright, Minnesota	BBB	Keithley S. C.	Both	1,200	11	19	24	Toms Hens		9.0	21.3 15.3		16.4	26.8	11.3 6.7

* Both sexes

MINNESOTA CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

Eviscerated Weight		Dressing Percentage	Breast Width		Body Depth		Keel Length		Overall Quality			% U. S. Grade A For:			Feed Conversion Ratio	Entrant
Pounds	Coeff. of Var.		Inches	Coeff. of Var.	Inches	Coeff. of Var.	Inches	Coeff. of Var.	% U. S. Grade			Fleshing	Finish	Freedom of Pin-Feathers		
									A	B	C					
18.0 10.5	6.0 13.0	76.1 72.1	4.0 3.8	8.1 11.9	10.1 7.9	2.8 3.9	7.4 6.5	7.9 4.3	72.7 67.9	4.6 10.7	22.7 21.4	95.5 100.0	68.2 92.9	95.5 100.0		1 Anderson
19.8 11.1	11.7 7.9	75.7 73.5	3.7 3.7	10.5 10.8	10.1 7.9	5.4 4.8	8.0 6.8	5.7 4.4	71.8 85.4	2.6 4.9	25.6 9.7	92.3 100.0	87.2 92.7	92.3 100.0		2 Browning
20.5 11.5	10.0 7.7	76.3 73.5	3.4 3.5	10.2 11.0	10.2 8.2	4.3 5.9	8.3 6.9	3.5 3.5	51.1 79.3	6.7 3.5	42.2 17.2	93.3 100.0	84.4 100.0	93.3 100.0		3 Cen.Mo.
20.5 11.7	11.1 7.8	77.0 74.9	3.5 3.3	10.3 12.2	10.4 8.2	4.3 3.4	8.1 6.7	5.7 3.8	53.8 74.2	7.7 9.7	38.5 16.1	89.7 100.0	71.8 96.8	89.7 100.0		4 Farmers
19.3 10.8	7.7 8.9	75.9 75.0	4.1 4.0	6.5 11.4	9.9 7.5	2.8 4.6	7.3 6.3	4.1 4.3	78.3 84.4	4.3 6.2	17.4 9.4	100.0 100.0	100.0 100.0	100.0 100.0		5 Gozzi
21.2 11.8	10.0 7.2	77.3 75.0	3.8 3.7	8.7 9.0	10.1 8.0	4.0 4.4	7.9 6.8	4.1 4.0	67.6 73.7	5.9 10.5	26.5 15.8	100.0 100.0	94.1 100.0	97.1 100.0		6 Henning
21.3 11.8	9.2 10.1	78.0 75.2	4.0 3.8	8.2 9.3	10.3 7.9	3.3 3.8	7.7 6.5	3.4 7.2	90.6 78.8	3.1 9.1	6.3 12.1	100.0 97.0	93.8 93.9	100.0 100.0		7 Jensen
18.7 10.3	7.3 8.7	75.7 73.1	3.5 3.6	10.2 12.5	10.1 7.8	4.1 4.2	7.8 6.7	4.3 4.0	48.3 90.9	3.4	48.3 9.1	96.6 100.0	79.3 95.5	96.6 100.0		8 Land O'L.
19.7 11.0	9.1 7.3	76.6 74.5	3.7 3.6	9.1 12.2	10.0 7.9	4.3 5.8	7.8 6.7	3.9 4.2	56.4 77.5	5.1 12.5	38.5 10.0	94.9 100.0	76.9 100.0	94.9 100.0		9 Land O'L.
20.0 11.5	6.3 3.4	76.0 74.8	4.2 3.8	4.7 8.1	10.1 7.8	1.7 4.5	7.7 6.5	3.8 4.4	85.7 62.5		14.3 25.0	100.0 100.0	85.7 100.0	100.0 100.0		10 Nicholas
20.1 11.7	9.8 5.7	77.6 75.8	3.7 3.8	12.3 9.0	10.2 7.9	3.8 4.9	7.7 6.6	3.8 3.8	70.9 78.3	8.3 8.7	20.8 13.0	95.8 100.0	87.5 100.0	95.8 100.0		11 Nicholas
17.6 9.9	6.7 8.1	75.8 73.2	3.6 3.7	9.2 8.1	9.9 7.7	3.3 4.4	7.3 6.3	3.7 5.2	77.3 96.0	18.2 4.0	4.5	100.0 100.0	72.7 96.0	100.0 100.0		12 Oakdale
19.6 11.6	9.4 8.1	76.3 74.7	3.9 3.7	6.7 9.2	10.0 7.9	3.6 3.4	7.7 6.6	4.8 4.1	72.7 85.4	12.1 2.4	15.2 12.2	100.0 100.0	90.9 95.1	100.0 100.0		13 Peterson
17.6 9.7	8.1 9.3	74.7 72.7	3.6 3.5	10.1 11.2	9.9 7.7	4.7 3.9	7.6 6.5	3.6 4.2	71.9 79.5	6.2 11.4	21.9 9.1	100.0 97.7	81.3 97.7	100.0 100.0		14 Pinetree
18.9 10.4	8.3 8.8	76.3 72.6	3.6 3.5	7.7 12.9	10.1 7.8	3.9 4.1	7.7 6.5	4.4 4.0	78.4 92.3	8.1 2.6	13.5 5.1	97.3 100.0	86.5 100.0	97.3 100.0		15 Rochester
20.2 11.4	8.2 7.8	76.8 73.1	3.7 3.5	9.5 12.7	10.2 8.0	3.9 6.5	7.9 6.8	4.4 4.3	63.6 90.0	4.6 5.0	31.8 5.0	95.5 100.0	81.8 97.5	95.5 100.0		16 Shetler's
20.3 11.5	8.2 6.3	77.4 74.8	3.8 3.7	9.2 11.0	10.1 7.9	5.7 3.8	7.8 6.8	4.4 5.5	63.2 86.5	5.2 2.7	31.6 10.8	100.0 100.0	86.8 100.0	94.3 100.0		17 Sterling
19.4 10.6	7.4 8.7	76.4 73.5	3.4 3.3	9.0 12.9	10.0 8.0	5.0 4.1	8.0 6.8	5.0 3.4	66.6 74.5	16.7 9.8	16.7 15.7	97.2 98.0	63.9 100.0	97.2 100.0		18 Worthington
17.5 9.6	9.0 7.0	74.9 72.9	3.6 3.7	10.8 11.1	9.8 7.6	3.7 3.7	7.5 6.3	5.3 4.0	69.2 96.8	15.4	15.4 3.2	97.4 100.0	82.1 90.3	100.0 100.0		19 Worthington
20.6 12.4	14.2 8.1	76.9 75.4	4.2 4.1	10.3 10.3	10.0 7.9	4.9 3.9	7.6 6.6	5.4 4.7	47.1 71.0	5.8 13.2	47.1 15.8	82.4 97.4	64.7 100.0	79.4 100.0		20 Wright

ENTRANT	KIND OF STOCK	STRAIN OR TRADE NAME	MATING PROCEDURE	NUMBER OF HENS IN FLOCK	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHTS (lbs.)						COEFF. OF VAR. (FINAL LIVE WEIGHT)
					8 WEEKS	12 WEEKS	END OF TEST		8 WEEKS	12 WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	25 WEEKS	
Average, All Entries					16	19.5	24.9	Toms Hens		8.8	20.2 13.9	14.9		25.5	7.6 7.1
Average, Bronze Entries					10.6	13.8	18.3	Toms Hens		9.1	20.8 14.4	15.4		26.3	8.4 7.5
Average, White Entries					24	28	35	Toms Hens		8.4	19.4 13.2	14.1		24.4	6.4 6.6

Statistical Significance of Differences Between Entries *

Final Live Weight

Entry No. Toms 6 7 3 20 4 17 16 2 11 13 9 5 18 15 8 1 14 19 12

Entry No. Hens 20 6 7 4 3 16 13 17 11 2 9 1 18 5 15 8 12 14 19

Eviscerated Weight

Entry No. Toms 7 6 20 3 4 17 16 11 2 9 13 18 5 15 8 1 12 14 19

Entry No. Hens 20 6 7 4 11 13 17 3 16 2 9 5 18 1 15 8 12 14 19

Dressing Percentage

Entry No. Toms 7 11 17 6 4 20 16 9 18 13 15 3 1 5 12 2 8 19 14

Entry No. Hens 11 20 7 6 5 4 17 13 9 2 18 3 12 16 8 19 14 15 1

* Entry 10 excluded because number of birds at end of test was inadequate for this analysis.

CENTRAL TURKEY MEAT PRODUCTION TEST OF NEBRASKA

1. Anderson, Mass.	BBB BR	Andersons	Both	250	7	14	15	Toms Hens	5.4	9.5		15.7		29.3	10.7 9.9
2. Browning, Kentucky	BBB SF	Browning	Both	42,500	2	4	9	Toms Hens	5.3	9.3		15.3		28.1	9.4 6.6
3. Browning, Kentucky	LW SF	Browning	Both	2,150	1	7	10	Toms Hens	4.8	8.7		13.6		24.8	8.8 6.5
4. Central Mo., Missouri	BBB SF	Waite's	Nat.	22,000	1	4	10	Toms Hens	5.0	8.8		15.2		28.4	12.2 7.2
5. Gibbon, Nebraska	BBB SF		Both	1,100	0	2	10	Toms Hens	5.3	9.1		15.0		28.3	9.7 10.2
6. Gozzi, Connecticut	LW BR	Guilford White	Nat.	4,000	2	10	11	Toms Hens	4.8	8.6		13.9		25.6	8.3 8.5

* Both sexes

MINNESOTA CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST (Cont'd.)

EVisCERATED WEIGHT		DRESSING PERCENTAGE	BREAST WIDTH		BODY DEPTH		KEEL LENGTH		OVERALL QUALITY			% U. S. GRADE A FOR:			FEED CONVER- SION RATIO	ENTRANT
POUNDS	COEFF. OF VAR.		INCHES	COEFF. OF VAR.	INCHES	COEFF. OF VAR.	INCHES	COEFF. OF VAR.	% U. S. GRADE			FLESHING	FINISH	FREEDOM OF PIN- FEATHERS		
									A	B	C					
19.5	8.9	76.4	3.7	9.1	10.1	4.0	7.7	4.5	66.2	7.4	26.4	98.1	82.0	98.6		Av. All
11.0	7.9	74.0	3.6	10.8	7.9	4.4	6.6	4.4	82.0	6.8	11.2	99.4	96.4	100.0		Entries
20.3	9.9	76.9	3.7	9.5	10.1	4.4	7.9	4.5	63.8	6.9	29.3	95.0	81.7	94.3		Av. B.
11.5	7.7	74.5	3.6	10.8	8.0	4.6	6.7	4.4	79.6	7.7	12.7	99.3	98.0	100.0		Entries
18.4	7.4	75.7	3.8	8.4	10.0	3.3	7.5	4.6	71.1	8.5	20.4	98.1	82.0	98.6		Av. W.
10.3	8.1	73.3	3.7	10.9	7.7	4.2	6.5	4.3	86.0	5.2	8.8	99.6	96.4	100.0		Entries

Statistical Significance of Differences Between Entries

Breast Width

Entry No.	Toms	5	20	7	1	13	17	6	11	9	2	16	15	19	12	14	8	4	3	18
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Hens

Entry No.	20	5	1	11	7	17	2	12	19	13	6	9	8	15	14	16	3	18	4
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Body Depth

Entry No.	Toms	4	7	16	3	11	6	8	1	17	15	2	13	9	20	18	12	5	14	19
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Hens

Entry No.	4	3	6	18	16	1	11	9	7	17	13	20	2	15	8	12	14	19	5
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Keel Length

Entry No.	Toms	3	4	2	18	16	6	17	9	8	7	11	13	15	20	14	19	1	12	5
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Hens

Entry No.	3	4	18	16	17	6	2	9	8	11	20	13	15	7	1	14	12	5	19
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CENTRAL TURKEY MEAT PRODUCTION TEST OF NEBRASKA

24.0	11.1	82.0	5.9	10.3	8.8	4.0	7.6	6.2	94.9	5.1									1
12.9	9.5	82.5	5.5	9.5	6.8	3.5	6.1	4.6	92.3	7.7									Anderson
22.6	10.0	80.5	5.1	8.7	9.0	4.5	7.9	5.6	87.2	5.1	7.7								2
12.6	6.3	82.4	4.8	10.4	7.0	2.6	6.3	3.2	95.2	4.8									Browning
20.4	10.9	82.0	4.5	11.5	8.6	3.7	7.4	5.6	91.2		8.8								3
11.0	6.4	81.2	4.9	7.1	6.7	3.4	6.1	3.6	97.8		2.2								Browning
22.6	13.0	79.4	5.0	6.4	9.0	9.6	8.1	6.3	88.9	3.7	7.4								4
12.4	6.5	81.5	4.3	12.8	7.2	3.1	6.4	4.0	97.9	2.1									Cen. Mo.
22.4	9.1	79.5	5.0	7.3	9.0	5.1	7.9	4.2	93.0		7.0								5
12.2	10.9	81.1	4.4	12.6	7.0	3.3	6.3	3.2	95.2	4.8									Gibbon
20.8	7.5	81.2	5.0	9.5	8.6	3.3	7.4	6.6	90.0		10.0								6
11.4	8.3	81.9	5.2	6.6	6.6	4.4	6.0	3.0	97.4	2.6									Gozzi

CENTRAL TURKEY MEAT PRODUCTION TEST OF NEBRASKA

ENTRANT	KIND OF STOCK	STRAIN OR TRADE NAME	MATING PROCEDURE	NUMBER OF HENS IN FLOCK	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHTS (lbs.)						COEFF. OF VAR. (FINAL LIVE WEIGHT)
					2 WEEKS	8 WEEKS	END OF TEST		8 WEEKS	12 WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	26 WEEKS	
7. Grant, Washington	BBB SF	Str. Cr. Isle 8	Both	1,500	1	8	9	Toms Hens	5.2	8.9		14.9		27.3	10.1 6.9
8. Hall, California	BBB	Hall Manor Specials	Both	7,000	6	11	12	Toms Hens	5.2	9.0		14.9		25.9	9.6 6.0
9. Hart, Oregon	BBB BR	Hart-Schneider	Nat.	18,000	5	8	9	Toms Hens	5.2	9.0		15.2		27.9	8.2 9.0
10. Janssen, Michigan	BBB SF	JB 58-2	Nat.	10,000	9	11	15	Toms Hens	5.3	9.1		15.4		27.2	9.1 8.1
11. Janssen, Michigan	BBB SF	JB 58-12	Both	10,000	0	1	8	Toms Hens	5.1	8.8		14.8		26.3	9.4 7.9
12. Janssen, Michigan	BBB SF	JB 58-15	Nat.	10,000	0	5	7	Toms Hens	5.2	8.9		15.3		27.9	9.1 8.1
13. Janssen, Michigan	BBB SF	JB 58-16	Nat.	10,000	0	2	7	Toms Hens	5.1	8.9		14.9		26.8	8.7 7.6
14. Koehler, Nebraska	BBB SF	Koehler	Nat.	1,186	5	9	13	Toms Hens	5.2	8.6		14.1		27.5	9.7 6.7
15. Lyon, Oregon	BBB BR	Lyon's 100%	Nat.	4,000	5.5	8.7	13.2	Toms Hens	5.1	8.9		15.2		28.0	10.4 6.1
16. Maplecrest, Iowa	BBB SF		Nat.	35,000	7	12	13	Toms Hens	5.2	9.1		15.3		27.7	11.4 8.1
17. Miller, Canada	BBB SF	Ploen	Nat.	3,200	5	7	11	Toms Hens	5.0	8.7		14.7		28.8	7.2 7.1
18. Nicholas, California	BBB BR	Nicholas	Both	10,000	3	7	12	Toms Hens	5.2	9.0		15.5		25.6	14.0 7.4
19. Nicholas, California	BBB SF	Nicholas "71"	Both	1,800	1	4	7	Toms Hens	5.2	9.0		15.0		26.5	11.6 7.3
20. Nicholas, California	BBB SF	Nicholas "51"	Both	1,600	3	12	12	Toms Hens	5.2	8.9		15.1		26.0	10.5 8.0
21. Nicholas, California	LW BR	Nicholas	Nat.	1,400	14	19	22	Toms Hens	5.6	9.8		15.4		27.0	11.8 7.3
22. Nichols-Loomis, Cal.	BBB	L-201	Both		15	20	20	Toms Hens	5.3	9.1		15.4		28.1	7.5 5.1
23. Norbest, Utah	BBB SF	Norbest #101	Art.	2,000	4	7	10	Toms Hens	5.5	9.5		15.6		29.0	8.9 8.0
24. Norbest, Utah	BBB SF	Norbest #103	Nat.	5,000	8	9	15	Toms Hens	4.9	8.9		15.2		27.7	10.2 7.2
25. Norbest, Utah	BBB SF	Norbest #122	Art.	1,000	6	6	8	Toms Hens	4.9	8.5		14.0		27.3	8.9 7.5
26. Norbest, Utah	LW SF	Str. Cr. #123	Nat.	1,000	3	6	6	Toms Hens	5.5	9.8		15.3		26.6	10.7 8.3

EVISCERATED WEIGHT		DRESSING PERCENTAGE	BREAST WIDTH		BODY DEPTH		KEEL LENGTH		OVERALL QUALITY			% U. S. GRADE A FOR:			FEED CONVER- SION RATIO	ENTRANT
POUNDS	COEFF. OF VAR.		INCHES	COEFF. OF VAR.	INCHES	COEFF. OF VAR.	INCHES	COEFF. OF VAR.	% U. S. GRADE			FLESHING	FINISH	FREEDOM OF PIN- FEATHERS		
									A	B	C					
22.3 12.3	10.8 7.3	81.9 82.0	4.9 4.6	8.4 10.2	9.2 7.1	4.6 2.2	8.0 6.4	6.2 3.3	83.8 100.0	2.7	13.5					7 Grant
21.4 12.1	10.3 6.5	82.4 81.1	5.2 5.1	6.0 7.9	8.7 6.9	6.1 2.9	7.4 6.2	5.6 3.4	94.2 100.0	2.9	2.9					8 Hall
22.5 12.4	8.4 9.4	80.9 81.5	5.0 4.7	8.2 10.6	9.1 7.0	5.8 3.4	7.8 6.3	6.0 3.0	90.7 90.7	2.3 9.3	7.0					9 Hart
22.0 12.6	8.0 7.6	80.7 81.9	5.4 5.2	6.7 8.1	8.9 6.9	4.9 3.3	7.4 6.1	4.7 3.9	97.0 100.0		3.0					10 Janssen
21.7 12.1	9.9 8.6	82.6 81.6	5.4 5.4	8.0 7.0	8.5 6.7	5.3 3.6	7.4 6.0	6.2 4.7	95.1 100.0		4.9					11 Janssen
22.7 12.5	8.5 8.1	81.6 81.6	5.6 5.2	6.8 8.7	8.8 6.8	4.6 3.4	7.4 6.1	5.0 4.3	91.4 95.6	2.9 4.4	5.7					12 Janssen
22.0 12.1	9.5 6.8	82.1 81.2	5.4 4.9	8.4 8.5	8.7 6.9	4.3 2.8	7.4 6.1	4.9 3.8	97.4 97.9	2.6	2.1					13 Janssen
22.2 11.4	9.6 7.8	80.7 81.1	5.0 4.4	9.5 14.5	9.0 7.0	5.0 2.7	7.9 6.3	5.5 3.2	92.8 97.5	2.4 2.5	4.8					14 Koehler
23.2 12.4	10.7 6.9	82.7 81.6	5.7 5.4	9.8 8.3	8.6 6.7	6.1 3.1	7.4 6.2	6.8 3.6	97.1 100.0	2.9						15 Lyon
22.2 12.4	11.1 8.1	80.3 81.4	5.0 4.6	8.0 10.6	9.0 7.0	3.6 3.4	7.8 6.4	5.0 3.6	91.4 97.7	2.9 2.3	5.7					16 Maplecrest
23.0 12.1	7.9 7.3	79.7 81.9	5.3 4.7	7.8 10.2	9.0 7.0	4.2 3.9	7.7 6.2	4.3 3.5	97.1 100.0		2.9					17 Miller
20.8 12.6	13.2 7.4	81.6 81.5	4.9 5.1	17.6 9.9	8.9 7.0	6.3 2.7	7.3 6.2	6.8 3.2	88.9 100.0	8.3	2.8					18 Nicholas
21.7 12.3	10.9 7.3	81.8 81.8	5.2 5.1	7.3 9.0	8.8 7.0	4.2 3.4	7.6 6.2	5.7 3.4	89.2 97.6	2.7 2.4	8.1					19 Nicholas
21.2 12.4	11.0 8.3	81.5 82.2	5.1 5.0	6.3 17.7	9.0 7.0	3.9 3.7	7.4 6.2	5.7 3.9	93.6 97.5	2.1 2.5	4.3					20 Nicholas
21.9 12.5	10.8 6.5	81.3 81.2	4.7 5.3	10.3 6.5	8.7 6.9	3.7 3.5	7.5 6.2	5.5 4.2	79.3 97.4	3.5	17.2 2.6					21 Nicholas
22.8 12.4	8.2 5.8	80.9 81.0	5.1 4.8	8.1 10.6	9.0 7.0	5.0 2.3	7.8 6.3	5.5 2.9	87.9 100.0		12.1					22 N-Loomis
23.6 12.8	8.4 7.6	81.3 81.7	5.4 5.0	8.0 8.4	8.7 6.9	5.5 3.6	7.7 6.3	5.7 3.0	90.2 100.0		9.8					23 Norbest
22.8 12.4	9.6 7.2	82.3 82.0	5.3 5.0	8.4 11.1	8.7 6.9	3.2 3.2	7.7 6.2	5.4 7.0	100.0 97.7	2.3						24 Norbest
22.1 11.5	8.9 7.7	81.2 82.1	5.2 4.5	8.7 9.0	8.7 6.9	3.3 3.8	7.6 6.2	4.7 4.0	97.4 95.6	4.4	2.6					25 Norbest
21.8 12.5	10.5 7.7	82.2 81.4	4.7 5.1	9.1 6.1	8.7 6.8	4.0 3.7	7.6 6.2	6.0 3.6	95.2 100.0	2.4	2.4					26 Norbest

CENTRAL TURKEY MEAT PRODUCTION TEST OF NEBRASKA (Cont'd.)

ENTRANT	KIND OF STOCK	STRAIN OR TRADE NAME	MATING PRO-CEDURE	NUMBER OF HENS IN FLOCK	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHTS (lbs.)						COEFF. OF VAR. (FINAL LIVE WEIGHT)
					2 WEEKS	8 WEEKS	END OF TEST		8 WEEKS	12 WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	26 WEEKS	
27. Rusk, Washington	BBB BR	Rusk's	Nat.	4,000	8	13	15	Toms Hens	5.0	8.7		14.6		27.3	9.5 7.7
28. Rusk, Washington	LW BR	Rusk's	Nat.	440	3	10	10	Toms Hens	4.8	8.6		14.2		26.2	10.3 7.1
29. Segar, California	LW BR	Segar's	Art.	360	2	8	9	Toms Hens	5.2	9.5		14.8		26.5	8.8 7.2
30. Stout, Missouri	BBB SF	Stout's	Both	14,000	21	24	25	Toms Hens	4.9	8.7		14.7		27.4	7.9 8.1
31. Thompson, Arkansas	LW BR	Thompson Broad Wh.	Both	4,200	6	10	10	Toms Hens	4.8	8.6		14.0		25.2	9.1 5.8
32. Wright-Bolton, Neb.	BBB SF		Nat.	1,000	0	3	4	Toms Hens	5.2	9.1		15.2		28.2	9.7 7.0
Average		All Entries			4.8	8.8	11.5	Toms Hens	5.1	9.0		14.9		27.2	9.7 7.5
Average		Bronze Entries			4.9	8.5	11.6	Toms Hens	5.2	9.0		15.0		27.5	9.7 7.6
Average		White Entries			4.4	10.0	11.1	Toms Hens	5.1	9.1		14.5		26.0	9.7 7.2

Statistical Significance of Differences Between Entries
Final Live Weight

Toms
Entry No. 1 23 17 4 5 32 22 2 15 9 12 24 16 14 30 10 25 7 27 21 13 26 19 29 11 28 20 8 6 18 31 3

Hens
Entry No. 1 23 18 10 22 21 26 2 12 16 4 9 24 15 32 20 19 5 13 7 8 11 29 17 30 27 28 14 31 25 6 3

Eviscerated Weight
Toms
Entry No. 1 23 15 17 24 22 12 4 2 32 9 30 5 7 16 27 14 25 10 13 21 26 11 19 29 28 8 20 18 6 31 3

Hens
Entry No. 1 23 10 18 2 26 21 12 22 24 4 16 9 15 20 32 19 7 5 11 13 17 8 30 29 27 28 25 14 31 6 3

Dressing Percentage
Toms
Entry No. 15 11 8 24 31 26 13 3 1 7 30 19 28 18 12 20 29 27 21 23 6 25 9 22 14 10 2 16 32 17 5 4

Hens
Entry No. 1 2 20 25 7 24 6 10 17 19 30 23 15 11 12 31 4 9 18 26 16 13 27 21 3 32 8 14 5 29 22 28

Eviscerated Weight		Dressing Percentage	Breast Width		Body Depth		Keel Length		Overall Quality			% U. S. Grade A For:			Feed Conversion Ratio	Entrant
Pounds	Coeff. of Var.		Inches	Coeff. of Var.	Inches	Coeff. of Var.	Inches	Coeff. of Var.	% U. S. Grade			Fleshing	Finish	Freedom of Pin-Feathers		
									A	B	C					
22.2	10.5	81.4	5.1	8.0	9.0	4.2	7.6	4.9	93.9		6.1					27
11.9	7.9	81.2	4.7	10.8	7.0	3.6	6.2	3.9	88.1	11.9						Rusk
21.4	10.3	81.7	4.6	10.2	8.8	4.4	7.6	4.5	97.3		2.7					28
11.5	6.8	81.0	4.8	6.9	6.7	3.9	6.2	2.8	95.3	4.7						Rusk
21.5	8.4	81.4	4.5	9.8	8.8	4.3	7.5	4.5	91.7	2.8	5.5					29
11.9	6.4	81.0	5.0	7.5	6.8	3.4	6.1	3.4	100.0							Segar
22.5	7.6	81.9	5.2	7.7	8.8	4.0	7.6	5.1	88.6	2.9	5.7					30
12.0	7.4	81.8	4.8	11.4	6.9	2.9	6.2	3.4	97.3		2.7					Stout
20.7	9.7	82.2	4.6	10.3	8.6	3.8	7.4	3.8	100.0							31
11.4	6.1	81.6	5.0	6.3	6.6	3.3	6.0	2.7	100.0							Thompson
22.6	10.4	80.2	4.9	9.6	9.1	3.1	7.7	5.7	90.5		9.5					32
12.3	7.7	81.1	4.5	14.2	7.1	3.1	6.3	2.8	100.0							W. Bolton
22.1	9.8	81.3	5.1	8.7	8.8	4.6	7.6	5.4	92.4	2.0	5.6					Av. All
12.2	7.5	81.5	4.9	9.7	6.8	3.2	6.2	3.6	97.6	2.0	.4					Entries
22.4	9.9	81.2	5.2	8.4	8.8	4.8	7.6	5.5	92.5	2.2	5.3					Av.
12.3	7.7	81.6	4.9	10.4	6.9	3.2	6.2	3.7	97.4	2.3	.3					Bronze
21.2	9.7	81.7	4.7	10.1	8.6	3.9	7.4	5.2	92.1	1.2	6.7					Av.
11.7	6.9	81.3	5.0	6.7	6.7	3.7	6.1	3.3	98.3	1.0	.7					White

Statistical Significance of Difference Between Entries

Breast Width

Toms

Entry No. 1 15 12 11 23 10 13 24 17 19 8 30 25 27 20 22 2 9 4 16 6 14 5 18 7 32 26 21 28 31 3 29

Hens

Entry No. 1 11 15 21 10 12 6 19 26 18 8 31 20 23 24 29 13 3 30 22 2 28 27 9 17 16 7 25 32 5 14 4

Body Depth

Toms

Entry No. 7 32 9 2 20 17 16 14 27 5 4 22 18 10 29 30 28 19 1 12 21 13 24 26 23 8 25 31 15 3 6 11

Hens

Entry No. 4 7 32 22 2 16 14 18 9 17 27 20 5 19 23 10 24 21 30 13 8 25 26 1 29 12 15 28 3 11 31 6

Keel Length

Toms

Entry No. 4 7 5 2 14 22 16 9 17 24 32 23 30 25 19 27 26 28 1 29 21 8 6 20 31 10 12 13 3 11 15 18

Hens

Entry No. 4 16 7 32 9 2 14 23 5 22 17 20 27 30 18 25 19 21 26 28 24 15 8 1 29 13 10 12 3 31 11 6

NORTH DAKOTA TURKEY RANDOM SAMPLE TEST

ENTRANT	KIND OF STOCK	STRAIN OR TRADE NAME	MATING PRO-CEDURE	NUMBER OF HENS IN FLOCK	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHTS (lbs.)						COEFF. OF VAR. (FINAL LIVE WEIGHT)
					2 WEEKS	8 WEEKS	END OF TEST		8 WEEKS	12 WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	25 WEEKS	
1. Anderson, Minnesota	BBB BR	Nordman	Both	6,000		11	12	Toms Hens		10.0 7.5		22.4 15.1		26.9	8.0 7.4
2. Browning, Kentucky	BBB SF	Browning	Both	42,500		7	7	Toms Hens		9.6 7.2		21.9 14.8		26.5	7.2 6.4
3. Farmers, Minnesota	BBB SF	F & H	Both	5,200		5	5	Toms Hens		10.0 7.6		23.2 15.8		28.3	8.1 7.4
4. Gozzi, Connecticut	BBW BR	Guilford White	Both	10,000		18	18	Toms Hens		9.1 7.0		20.6 14.5		24.6	8.7 7.1
5. Land O'Lakes Minnesota	BBB SF	Land O' Lakes (SC)	Nat.	1,300		10	12	Toms Hens		9.2 6.9		20.6 14.3		25.5	8.3 6.4
6. Land O'Lakes Minnesota	BBW SF	Land O' Lakes	Nat.	7,000		10	10	Toms Hens		9.0 7.0		21.3 14.4		24.9	6.5 5.0
7. Lyon, Oregon	BBB BR	Lyon's	Nat.	4,000		14.6	15.8	Toms Hens		9.6 7.5		22.1 15.5		26.3	7.9 6.6
8. Nicholas, California	BBB BR	Nicholas	Both	4,000		12.9	16.1	Toms Hens		9.7 7.4		21.9 15.3		25.8	8.5 6.8
9. Nicholas, California	BBW BR	Nicholas	Both	1,400		19	19	Toms Hens		9.6 7.6		22.2 15.6		25.8	6.9 7.8
10. Nokota, North Dakota	BBB SF	Nicholas	Both	4,400		24	28	Toms Hens		9.2 7.3		20.1 14.8		23.9	9.1 7.9
11. Oppy's, North Dakota	BBB SF	Hart-Schneider	Nat.	3,200		11	11	Toms Hens		9.5 7.4		21.9 14.8		26.5	7.6 6.5
12. Rogers, North Dakota	BBB SF	Rogers	Nat.	1,600		19	21	Toms Hens		9.4 7.0		21.3 14.4		25.3	10.0 5.6
13. Rogers, North Dakota	BBB SF	Sunshine	Nat.	20,000		12	12	Toms Hens		9.6 7.4		22.1 15.7		26.7	6.9 11.3
14. Swifts, Minnesota	BBB SF	Nicholas	Both	9,600		14	15	Toms Hens		9.4 7.5		21.1 14.8		25.0	9.0 5.7
15. Washore, Oregon	BBB SF	Hamilton 300 (SC)	Nat.	600		16	18	Toms Hens		9.6 7.4		21.9 15.1		26.6	7.2 7.6
16. Washore, Oregon	BBB	Hamilton 500 (SC)	Both	1,800		18	18	Toms Hens		10.0 7.5		23.9 15.7		28.1	6.1 6.2
Average All Entries						13.8	14.9	Toms Hens		9.5 7.3		21.8 15.0		26.0	7.8 7.0
Average Bronze Entries						13.3	14.7	Toms Hens		9.6 7.4		21.9 15.1		26.3	8.0 7.1
Average White Entries						15.7	15.7	Toms Hens		9.2 7.2		21.4 14.8		25.1	7.4 6.6

NORTH DAKOTA TURKEY RANDOM SAMPLE TEST

Eviscerated Weight		Dressing Percentage	Breast Width		Body Depth		Keel Length		Overall Quality			% U. S. Grade A For:			Feed Conversion Ratio	Entrant
Pounds	Coeff. of Var.		Inches	Coeff. of Var.	Inches	Coeff. of Var.	Inches	Coeff. of Var.	% U. S. Grade			Fleshing	Finish	Freedom of Pin-Feathers		
									A	B	C					
21.4 11.8	8.0 7.8	79.1 78.3	4.7 4.8	6.6 7.3	9.0 7.0	3.3 2.9	7.7 6.3	4.6 4.1	89.5 97.9	7.9 2.1	2.6	100.0 100.0	97.4 97.9	94.7 100.0		1 Anderson
20.8 11.5	7.3 6.4	78.5 78.2	4.6 4.7	7.6 6.7	8.9 7.0	2.8 3.0	7.8 6.4	3.6 3.1	93.7 100.0	4.2	2.1	100.0 100.0	97.9 100.0	100.0 100.0		2 Browning
22.0 12.1	9.3 6.2	78.4 77.4	4.2 4.4	7.2 6.8	9.4 7.3	4.6 3.1	8.1 6.6	4.4 3.0	92.7 100.0	2.4	4.9	97.6 100.0	97.6 100.0	100.0 100.0		3 Farmers
19.4 11.2	8.6 7.0	77.5 79.1	5.0 5.0	8.5 6.2	8.4 6.6	3.1 3.3	7.4 5.9	3.5 4.1	100.0 100.0			100.0 100.0	100.0 100.0	100.0 100.0		4 Gozzi
20.0 11.2	8.8 6.5	78.4 77.7	4.3 4.4	8.8 7.7	8.9 7.1	2.7 3.0	7.7 6.4	4.1 3.3	100.0 97.1		2.9	100.0 100.0	100.0 100.0	100.0 100.0		5 Land O'L
19.6 11.1	7.6 5.4	76.9 78.3	4.5 4.5	6.0 6.0	8.7 6.9	2.8 2.9	7.5 6.1	3.1 4.3	100.0 100.0			100.0 100.0	100.0 100.0	100.0 100.0		6 Land O'L
21.4 12.3	7.4 6.9	80.8 79.6	5.4 5.3	7.4 6.0	8.6 6.8	3.9 4.0	7.3 6.1	4.8 3.6	100.0 100.0			100.0 100.0	100.0 100.0	100.0 100.0		7 Lyon
20.5 11.9	7.5 6.3	78.9 80.0	4.9 4.9	8.2 5.9	8.8 7.0	3.1 3.8	7.4 6.2	4.0 4.4	91.6 100.0	2.8	5.6	100.0 100.0	100.0 100.0	100.0 100.0		8 Nicholas
20.3 12.1	6.6 7.7	77.3 78.6	4.7 4.8	7.3 6.7	8.8 7.0	3.5 2.7	7.5 6.2	3.6 3.6	100.0 100.0			100.0 100.0	100.0 100.0	100.0 100.0		9 Nicholas
18.9 11.7	9.0 8.0	79.0 78.3	4.5 4.7	6.8 8.2	8.7 7.0	2.7 3.8	7.4 6.3	4.2 4.0	87.8 100.0	6.1	6.1	100.0 100.0	100.0 100.0	97.0 100.0		10 Nokota
21.0 11.7	8.0 6.6	79.3 78.6	4.5 4.6	9.1 7.1	9.0 7.1	3.7 3.5	7.7 6.4	4.0 4.1	97.4 95.9	2.6		97.4 100.0	100.0 100.0	100.0 100.0		11 Oppy's
19.9 11.1	9.6 6.0	78.2 77.4	4.1 4.2	8.7 5.7	9.1 7.1	4.0 2.9	7.7 6.3	4.7 3.9	86.8 97.3	10.5	2.7 2.7	100.0 100.0	92.1 100.0	92.1 100.0		12 Roger's
21.1 12.1	7.3 9.0	79.0 78.5	4.9 4.9	8.6 6.5	8.8 6.9	3.7 4.2	7.5 6.3	4.1 4.1	97.8 100.0	2.2		100.0 100.0	97.8 100.0	100.0 100.0		13 Roger's
19.7 11.6	9.3 5.4	78.9 78.6	4.6 4.9	7.4 7.4	8.8 7.0	2.7 2.4	7.5 6.2	4.0 3.4	93.0 97.3	7.0 2.7		100.0 100.0	97.7 100.0	100.0 100.0		14 Swifts
21.3 12.1	6.9 7.2	79.8 80.0	5.1 5.2	5.5 6.9	8.8 6.9	3.8 3.4	7.4 6.2	3.8 3.9	94.0 98.1	3.0 1.9	3.0	100.0 100.0	100.0 98.1	97.0 98.1		15 Washore
22.3 12.3	6.2 6.8	79.5 78.4	5.2 5.1	7.2 6.0	8.8 6.9	3.1 3.8	8.0 6.5	4.2 4.6	100.0 100.0			100.0 100.0	100.0 100.0	100.0 100.0		16 Washore
20.6 11.7	8.0 6.8	78.7 78.6	4.7 4.8	7.6 6.7	8.8 7.0	3.3 3.3	7.6 6.3	4.0 3.8	95.3 99.0	3.0 .4	1.7 .6	99.7 100.0	98.8 99.8	98.8 99.9		Av. All Entries
20.8 11.8	8.0 6.9	79.1 78.5	4.7 4.8	7.6 6.8	8.9 7.0	3.4 3.3	7.6 6.3	4.2 3.8	94.2 98.7	3.7 .5	2.1 .8	99.5 100.0	98.5 99.7	98.5 99.9		Av. B. Entries
19.8 11.5	7.6 6.7	77.2 78.7	4.7 4.8	7.3 6.3	8.6 6.8	3.1 3.0	7.4 6.1	3.4 4.0	100.0 100.0			100.0 100.0	100.0 100.0	100.0 100.0		Av. W. Entries

NORTH DAKOTA TURKEY RANDOM SAMPLE TEST

ENTRANT	KIND OF STOCK	STRAIN OR TRADE NAME	MATING PROCEDURE	NUMBER OF HENS IN FLOCK	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHTS (lbs.)						COEFF. OF VAR. (FINAL LIVE WEIGHT)
					2 WEEKS	8 WEEKS	END OF TEST		8 WEEKS	12 WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	26 WEEKS	

Statistical Significance of Differences Between Entries

Final Live Weight

Entry No.	3	16	1	13	15	11	2	7	8	9	5	12	14	6	4	10
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Hens

Entry No.	3	13	16	9	7	8	15	1	11	14	2	10	4	6	12	5
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Eviscerated Weight

Entry No.	16	3	7	1	15	13	11	2	8	9	5	12	14	6	4	10
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Hens

Entry No.	7	16	13	3	9	15	8	1	11	10	14	2	4	5	12	6
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Dressing Percentage

Entry No.	7	15	16	11	1	4	10	13	14	8	9	2	5	3	6	12
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Hens

Entry No.	15	7	8	14	11	13	16	10	1	2	5	4	12	3	9	6
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CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA *

TEST A

1. Browning , Kentucky	BBB SF	Browning	Both	42,500	1.0	9.0	Toms	3.8	7.9	18.1	20.2	22.8	24.1	11.9
							Hens	3.1	6.1	13.0	14.8	15.7		8.7
2. Cooper, Ohio	BBB SF	Waite's	Nat.	21,715	2.2	10.8	Toms	3.9	7.9	17.7	19.8	21.8	23.7	10.8
							Hens	3.2	6.5	13.4	14.7	16.0		9.3
3. Ellison, Oregon	BBB BR	Ellison J-100	Nat.	2,400	3.7	7.3	Toms	3.8	7.8	19.1	21.3	24.0	25.3	9.6
							Hens	3.0	6.2	13.5	14.5	16.0		7.9
4. Ephrata, Pennsylvania	BBB SF	Hamilton "300"	Both		1.1	2.1	Toms	4.0	8.3	18.8	21.4	23.6	24.9	9.7
							Hens	3.3	6.5	13.6	15.0	16.2		6.8
5. Ephrata, Pennsylvania	BBW SF	Segar	Both		4.7	11.3	Toms	3.9	7.7	17.2	19.1	21.5	22.6	10.0
							Hens	3.2	6.1	12.8	13.6	15.1		7.1
6. Gozzi, Connecticut	BBW BR	Guilford White	Both	4,000	5.7	6.8	Toms	3.7	7.7	17.5	19.7	22.4	23.4	9.7
							Hens	2.9	6.0	12.6	13.4	14.9		7.9
7. Linesville, Pennsylvania	BBB SF	Conyer	Nat.	1,270	8.1	11.4	Toms	3.9	7.8	18.2	20.3	22.5	23.8	9.6
							Hens	3.1	6.2	13.0	14.3	15.6		7.9
8. Meadowbrook California	BBB BR	McIntyre	Both	1,200	0	6.0	Toms	4.1	8.5	19.9	22.6	24.5	27.1	9.8
							Hens	3.4	6.7	14.3	16.0	16.8		8.7
9. Nicholas, California	BBB SF	Nicholas "51"	Both	1,600	1.9	4.9	Toms	4.2	8.4	17.8	20.0	21.7	22.8	9.2
							Hens	3.4	6.6	13.4	14.7	15.4		8.6
10. Nicholas, California	BBW BR	Nicholas	Both	410	3.5	12.9	Toms	3.8	8.0	18.1	19.7	22.1	22.9	10.6
							Hens	3.3	6.6	13.3	14.1	15.4		8.3

* Mortality for this test computed from 2 weeks of age.

NORTH DAKOTA TURKEY RANDOM SAMPLE TEST

Eviscerated Weight		Dressing Percentage	Breast Width		Body Depth		Keel Length		Overall Quality			% U. S. Grade A For:			Feed Conversion Ratio *	Entrant
Pounds	Coeff. of Var.		Inches	Coeff. of Var.	Inches	Coeff. of Var.	Inches	Coeff. of Var.	% U. S. Grade			Fleshing	Finish	Freedom of Pin-Feathers		
									A	B	C					

Statistical Significance of Differences Between Entries

Breast Width

Toms	7	16	15	4	8	13	1	9	14	2	10	11	6	5	3	12
Entry No.	7	16	15	4	8	13	1	9	14	2	10	11	6	5	3	12
Hens	7	15	16	4	13	8	14	9	1	10	2	11	6	5	3	12
Entry No.	7	15	16	4	13	8	14	9	1	10	2	11	6	5	3	12

Body Depth

Toms	3	12	11	1	2	5	14	8	9	13	15	16	10	6	7	4
Entry No.	3	12	11	1	2	5	14	8	9	13	15	16	10	6	7	4
Hens	3	12	5	11	8	10	1	2	9	14	16	13	6	15	7	4
Entry No.	3	12	5	11	8	10	1	2	9	14	16	13	6	15	7	4

Keel Length

Toms	3	16	2	5	11	1	12	9	13	14	6	8	15	10	4	7
Entry No.	3	16	2	5	11	1	12	9	13	14	6	8	15	10	4	7
Hens	3	16	11	2	5	12	13	1	10	14	9	8	15	7	6	4
Entry No.	3	16	11	2	5	12	13	1	10	14	9	8	15	7	6	4

CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA

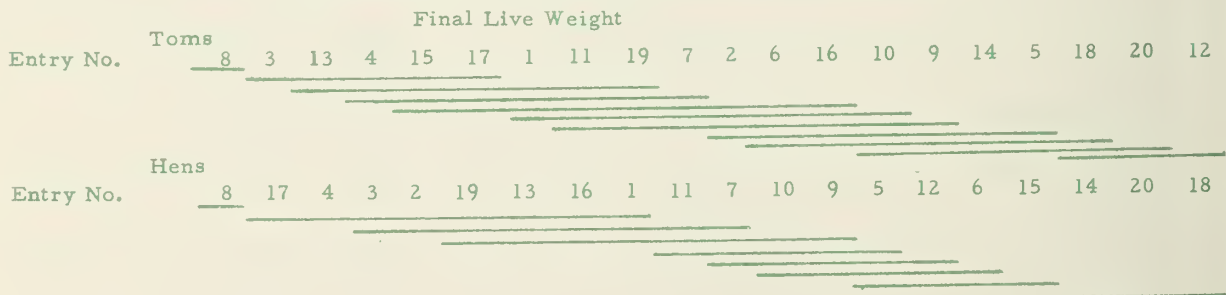
TEST A

19.2	11.9	79.7	5.4	10.8	7.7	5.6	7.5	6.0	38.6	56.8	4.6	65.9	54.5	61.4	4.36	1
12.4	5.1	79.0	5.0	5.6	6.7	3.4	6.5	3.6	94.0	6.0		100.0	96.0	98.0		Browning
18.9	11.1	79.7	4.6	14.8	8.2	3.6	7.7	5.2	48.6	48.6	2.7	62.2	78.4	78.4	4.12	2
12.7	9.7	79.4	4.7	7.0	6.8	4.1	6.4	4.7	91.1	8.9		97.8	91.1	97.8		Cooper
20.5	10.2	81.0	5.8	9.6	8.1	3.5	7.5	4.3	69.4	30.6		94.4	86.1	75.0	4.06	3
12.9	8.8	80.6	5.1	5.1	6.9	5.3	6.3	4.4	95.0	5.0		95.0	95.0	97.5		Ellison
19.8	11.5	79.5	6.1	9.5	7.8	4.5	7.4	4.7	62.8	37.2		86.0	79.1	67.4	3.75	4
13.2	7.6	81.5	5.2	5.2	6.7	3.4	6.4	3.3	95.9	4.1		100.0	98.0	98.0		Ephrata
18.3	8.9	81.0	5.1	10.3	7.7	4.7	7.1	4.9	70.5	29.5		81.8	75.0	100.0	4.30	5
11.8	7.0	78.1	4.8	4.8	6.7	3.9	6.3	3.0	97.8	2.2		97.8	97.8	97.8		Ephrata
18.4	10.5	78.6	6.0	7.9	7.6	3.7	7.3	4.7	71.0	26.4	2.6	84.2	76.3	89.5	4.24	6
12.2	8.0	81.9	5.4	5.0	6.6	3.0	6.1	5.6	95.3	4.7		95.3	97.7	100.0		Gozzi
19.1	9.7	80.3	5.5	10.7	7.7	3.7	7.4	4.7	51.4	48.6		65.7	65.7	71.4	4.11	7
12.4	8.5	79.5	4.7	8.2	7.0	4.2	6.3	4.2	92.7	7.3		95.1	95.1	100.0		Linesville
21.9	10.5	80.8	6.5	7.8	7.9	3.8	7.5	5.6	77.8	22.2		91.6	88.9	88.9	4.23	8
13.9	9.0	82.7	5.7	6.8	6.7	3.9	6.5	4.3	86.7	13.3		93.3	86.7	93.3		Meadowbrk
18.7	9.7	82.0	5.3	8.8	8.1	4.5	7.4	4.8	63.8	34.1	2.1	93.6	83.0	74.5	4.40	9
12.8	11.5	83.1	5.3	6.5	6.8	4.3	6.4	3.9	94.0	4.0	2.0	96.0	94.0	96.0		Nicholas
18.2	10.5	79.5	5.0	10.0	8.1	3.7	7.3	5.1	80.0	20.0		85.7	91.4	88.6	4.04	10
12.3	9.3	79.9	4.8	6.1	6.9	3.9	6.3	4.0	100.0			100.0	100.0	100.0		Nicholas

CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA *
TEST A

ENTRANT	KIND OF STOCK	STRAIN OR TRADE NAME	MATING PROCEDURE	NUMBER OF HENS IN FLOCK	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHTS (lbs.)						COEFF. OF VAR. (FINAL LIVE WEIGHT)
					2 WEEKS	8 WEEKS	END OF TEST		8 WEEKS	12 WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	26 WEEKS	
11. Pinola, Pennsylvania	BBB SF	Marcus	Art.	650		2.3	5.8	Toms Hens	3.8 3.1	7.8 6.0	18.5 12.9	21.0 14.7	22.6 15.6	24.0	10.1 9.9
12. Segar, California	BBW BR	Segar	Art.	2,100		3.0	12.1	Toms Hens	4.0 3.3	7.9 6.2	17.3 12.9	18.7 13.8	21.4 15.0	21.4	8.3 8.3
13. Shearer, Pennsylvania	BBB SF	Shearer	Both	3,500		2.3	4.6	Toms Hens	3.8 3.2	8.0 6.3	19.1 13.6	21.7 14.8	23.4 15.9	25.0	8.6 6.2
14. Shelhamer, New York	BBW SF	Cross	Art.	800		1.1	5.4	Toms Hens	3.4 2.9	7.1 5.6	17.1 11.9	19.1 12.9	21.4 14.1	22.7	9.5 6.0
15. Thompson, Arkansas	LBW BR	Thompson	Both	4,200		8.7	13.0	Toms Hens	3.5 2.9	7.3 5.7	17.6 12.5	20.4 14.0	21.8 14.7	24.3	8.2 6.5
16. Turrill, Pennsylvania	BBB SF	Turrill's	Art.	900		2.1	2.1	Toms Hens	3.8 3.4	8.3 6.7	19.3 13.6	21.1 14.5	23.5 15.8	23.3	8.7 5.8
17. Wampler, Virginia	BBB SF	Wampler	Nat.	2,870		1.9	9.9	Toms Hens	4.4 3.5	8.6 6.9	19.2 13.8	21.2 14.9	23.3 16.3	24.3	8.3 7.3
18. Warren, Mass.	BBW BR	Warren's	Both	3,000		7.9	10.1	Toms Hens	3.6 3.0	7.3 5.9	16.8 12.1	18.8 13.2	20.4 13.7	22.4	9.8 7.5
19. Wila, Pennsylvania	BBB SF	Cooper	Art.	2,500		3.3	6.6	Toms Hens	3.9 3.2	8.0 6.6	18.9 13.5	20.9 14.7	23.1 15.9	24.0	9.1 6.8
20. Wilford, Ohio	BBW BR	4C94	Both	600		4.0	9.0	Toms Hens	3.6 3.0	7.3 5.7	17.7 12.0	19.8 13.2	21.4 14.1	22.1	10.8 8.3
Average, All Entries						3.4	8.1	Toms Hens	3.8 3.2	7.9 6.3	18.2 13.1	20.3 14.3	22.5 15.4	23.7	9.6 7.7
Average Bronze Entries						2.5	6.7	Toms Hens	4.0 3.2	8.1 6.4	18.7 13.5	21.0 14.8	23.1 15.9	24.3	9.6 7.8
Average White Entries						4.8	10.1	Toms Hens	3.7 3.1	7.5 6.0	17.4 12.5	19.4 13.5	21.5 14.6	22.7	9.6 7.5

Statistical Significance of Differences Between Entries



CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA
TEST A

Eviscerated Weight		Dressing Percentage	Breast Width		Body Depth		Keel Length		Overall Quality			% U. S. Grade A For:			Feed Conversion Ratio	Entrant
Pounds	Coeff. of Var.		Inches	Coeff. of Var.	Inches	Coeff. of Var.	Inches	Coeff. of Var.	% U. S. Grade			Fleshing	Finish	Freedom of Pin-Feathers		
									A	B	C					
19.3 12.9	11.0 14.0	80.4 82.7	6.2 5.4	9.4 6.9	7.7 6.7	4.4 3.4	7.4 6.3	4.5 3.2	75.6 97.1	22.2 2.9	2.2	93.3 100.0	80.0 97.1	82.2 100.0	4.14	11 Pinola
17.0 12.0	9.0 9.4	79.4 80.0	5.0 4.7	10.4 7.4	7.7 6.8	3.9 3.2	7.2 6.3	4.4 3.0	59.2 97.4	38.8 2.6	2.0	73.5 100.0	73.5 97.4	89.8 100.0	4.18	12 Segar
20.4 13.3	7.6 6.7	81.6 83.6	6.6 5.4	6.0 6.3	7.8 6.8	3.8 2.8	7.4 6.3	3.8 4.2	73.7 100.0	26.3		100.0 100.0	84.2 100.0	81.6 100.0	3.90	13 Shearer
17.9 11.1	10.4 6.7	78.9 78.7	5.9 4.8	8.8 5.0	7.6 6.6	4.2 2.9	7.3 5.9	3.7 3.9	80.5 95.8	19.5 4.2		90.2 100.0	87.8 95.8	97.6 100.0	3.92	14 Shelhamer
19.2 11.7	8.2 7.6	79.0 79.6	5.8 5.1	8.3 6.1	7.6 6.5	3.8 3.5	7.2 6.2	3.1 4.5	82.5 97.1	17.5 2.9		90.0 100.0	87.5 97.1	100.0 100.0	4.20	15 Thompson
19.5 13.0	11.0 5.5	83.7 82.3	6.7 5.5	6.9 5.1	7.7 6.9	5.2 2.3	7.3 6.2	4.2 3.7	56.9 97.6	43.1 2.4		88.2 97.6	66.7 100.0	62.7 100.0	4.00	16 Turrill
19.6 13.2	8.8 8.0	80.7 81.0	5.4 4.7	8.8 7.8	7.9 7.0	4.0 3.4	7.7 6.5	4.4 3.7	48.9 95.6	40.0 2.2	11.1 2.2	66.7 97.8	55.6 95.7	75.6 95.7	4.36	17 Wampler
17.7 11.0	10.3 7.9	79.0 80.3	4.8 5.0	10.6 5.2	8.0 6.5	4.1 3.8	7.3 6.1	4.4 4.1	85.4 94.9	14.6 5.1		95.1 100.0	90.2 94.9	95.1 100.0	4.18	18 Warren
19.7 13.0	9.1 7.2	82.1 81.8	6.2 5.2	7.6 6.7	7.7 6.9	3.5 3.3	7.4 6.3	4.2 3.9	66.7 98.0	33.3 2.0		97.0 98.0	78.8 98.0	84.8 100.0	4.07	19 Wila
18.1 11.3	10.4 8.8	81.9 80.1	5.8 5.1	7.6 5.1	7.8 6.6	3.8 3.4	7.3 6.1	4.1 4.0	88.9 97.9	11.1 2.1		93.3 97.9	91.1 100.0	100.0 100.0	4.32	20 Wilford
18.9 12.5	10.0 7.6	80.4 80.8	5.7 5.1	9.2 6.1	7.9 6.8	4.2 3.6	7.4 6.3	4.5 4.0	67.6 95.7	31.0 4.1	1.4 .2	84.9 98.1	78.7 96.4	83.2 98.7	4.14	Av. All Entries
19.7 13.0	10.2 7.2	80.9 81.4	5.9 5.2	9.2 6.4	7.9 6.8	4.2 3.7	7.5 6.4	4.7 3.9	60.8 95.0	37.1 4.6	2.1 .4	83.7 97.7	74.5 95.8	74.7 98.1	4.12	Av. B. Entries
18.1 11.7	9.8 8.1	79.6 79.8	5.4 5.0	9.2 5.6	7.8 6.7	4.0 3.4	7.3 6.2	4.1 4.0	76.9 97.0	22.5 3.0	.6	86.7 98.8	83.8 97.6	95.2 99.7	4.17	Av. W. Entries

Statistical Significance of Differences Between Entries

Breast Width

Entry No. Toms 16 13 8 19 11 4 6 14 3 20 15 7 1 17 9 5 10 12 18 2

Entry No. Hens 8 16 13 6 11 9 19 4 20 3 15 18 1 5 14 10 12 17 2 7

CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA
TEST A

ENTRANT	KIND OF STOCK	STRAIN OR TRADE NAME	MATING PRO-CEDURE	NUMBER OF HENS IN FLOCK	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHTS (lbs.)						CDEFF. OF VAR. (FINAL LIVE WEIGHT)
					2 WEEKS	8 WEEKS	END OF TEST		8 WEEKS	12 WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	26 WEEKS	

Statistical Significance of Differences Between Entries
Body Depth

Entry No.	Toms	2	10	3	9	18	17	8	13	20	4	11	1	12	16	5	7	19	14	15	6
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Entry No.	Hens	17	7	3	10	19	16	13	12	2	9	1	8	4	11	5	20	14	6	18	15
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Keel Length

Entry No.	Toms	17	2	1	3	8	19	7	4	13	11	9	10	16	6	20	18	14	12	15	5
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Entry No.	Hens	17	8	1	2	9	4	19	3	11	12	5	10	13	7	15	16	20	18	6	14
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CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA
TEST B

1. Ephrata, Pennsylvania	BBB SF	Hamilton "500"	Both		1.4	10.0	Toms Hens	4.2 3.7	7.7 6.4	18.9 13.2	21.7 14.8	23.1 14.8	24.9	8.2 9.1
2. Linesville, Pennsylvania	BW SF	Thompson	Nat.	1,950	18.5	25.9	Toms Hens	3.1 2.7	5.9 5.0	14.3 10.5	16.4 11.5	17.2 11.3	19.1	13.4 7.9
3. Martin, Pennsylvania	BW SF	Martin	Art.	450	11.1	11.1	Toms Hens	3.2 2.6	6.0 4.9	14.7 10.5	17.1 12.0	18.1 12.1	18.5	17.7 10.5
4. Menefee, Oregon	BBB SF	Menefee	Nat.	13,000	3.6	20.5	Toms Hens	4.4 3.8	7.1 5.9	16.8 12.8	19.2 14.5	20.0 14.8	21.2	15.6 11.0
5. Miller, Canada	BBB SF	Ploen	Nat.	5,000	4.9	9.8	Toms Hens	3.6 3.0	7.0 5.8	16.1 11.9	18.5 13.2	19.5 13.8	21.1	12.1 7.4
6. Nicholas, California	BBB BR	Nicholas	Both	4,000	7.3	13.4	Toms Hens	3.9 3.1	7.4 5.8	17.3 13.0	19.8 14.3	21.0 14.7	22.9	11.7 10.6
7. Nicholas, California	BBB SF	Nicholas "71"	Both	1,800	15.4	20.5	Toms Hens	3.7 2.8	7.6 5.9	17.9 12.9	20.5 14.2	22.5 15.0	23.2	7.8 6.6
8. Seidel, Pennsylvania	WH SF	Seidel's	Nat.	353	5.8	15.9	Toms Hens	3.0 2.6	6.0 4.7	13.1 9.4	15.2 10.8	16.5 11.0	17.9	15.1 9.7
9. Sheley, Ohio	LW BR	White Kings	Both	600	6.7	9.3	Toms Hens	3.5 2.8	7.0 5.6	15.3 11.1	17.4 12.1	19.0 12.2	19.2	15.1 7.3
10. Thompson Arkansas	MW BR	Thompson	Both	1,050	14.3	17.8	Toms Hens	3.3 2.3	5.5 4.4	12.9 8.9	14.6 10.3	16.0 11.5	17.2	9.8 16.1
Average, All Entries					8.9	15.4	Toms Hens	3.6 2.9	6.7 5.4	15.7 11.4	18.0 12.8	19.3 13.1	20.5	12.7 9.6
Average, Bronze Entries					6.5	14.8	Toms Hens	4.0 3.3	7.4 6.0	17.4 12.8	19.9 14.2	21.2 14.6	22.6	11.1 8.9
Average, White Entries					11.3	16.0	Toms Hens	3.2 2.6	6.1 4.9	14.1 10.9	16.1 11.3	17.3 11.6	18.4	14.2 10.3

CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA
TEST A

Eviscerated Weight		Dressing Percentage	Breast Width		Body Depth		Keel Length		Overall Quality			% U. S. Grade A For:			Feed Conversion Ratio	Entrant
Pounds	Coeff of Var.		Inches	Coeff. of Var.	Inches	Coeff. of Var.	Inches	Coeff. of Var.	% U. S. Grade			Fleshing	Finish	Freedom of Pin-Feathers		
									A	B	C					

Statistical Significance of Differences Between Entries

	Eviscerated Weight																				
Toms																					
Entry No.	8	3	13	4	19	17	16	11	1	15	7	2	9	6	5	10	20	14	18	12	
Hens																					
Entry No.	8	13	4	17	16	19	3	11	9	2	7	1	10	6	12	5	15	20	14	18	

CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA
TEST B

19.8 12.2	9.8 9.2	79.5 82.4	6.1 5.1	9.0 7.4	7.7 6.8	4.6 3.2	7.6 6.5	4.3 3.1	68.4 100.0	31.6		89.5 100.0	71.1 100.0	92.1 100.0	4.11	1 Ephrata
14.7 9.0	14.2 7.8	77.0 79.6	4.9 4.2	9.6 5.5	7.4 6.6	4.0 4.2	6.8 5.8	5.6 3.4	41.7 90.6	58.3 9.4		58.3 100.0	45.8 93.8	100.0 90.6	4.24	2 Linesville
15.0 9.6	17.0 11.3	81.1 79.3	5.3 4.6	11.6 8.7	7.3 6.7	4.8 3.4	6.8 5.8	5.7 3.8	53.1 88.6	43.8 11.4	3.1	78.1 91.4	56.3 88.6	93.8 91.4	3.95	3 Martin
17.3 12.1	14.0 11.5	81.6 81.7	5.7 5.3	9.8 7.0	7.4 6.7	3.3 4.6	7.1 6.4	3.8 4.4	44.4 92.3	51.9 7.7	3.7	81.5 100.0	44.4 92.3	59.3 100.0	4.59	4 Menefee
17.0 10.8	9.0 6.7	80.6 78.3	5.1 4.5	11.6 5.6	7.7 7.2	3.9 2.9	7.3 6.1	4.1 3.9	13.8 85.0	86.2 15.0		44.8 100.0	20.7 100.0	41.4 85.0	4.09	5 Miller
18.3 12.0	12.5 9.7	79.9 81.6	5.5 4.9	11.0 9.1	7.8 6.7	4.6 3.7	7.4 6.1	4.2 5.9	55.9 87.5	44.1 12.5		73.5 100.0	67.6 90.6	73.5 93.8	3.97	6 Nicholas
18.4 12.0	9.6 8.0	79.3 80.0	5.9 4.8	4.2 6.2	7.9 7.1	3.9 4.7	7.0 6.2	3.1 3.9	41.7 100.0	58.3		91.7 100.0	52.9 100.0	75.0 100.0	4.20	7 Nicholas
14.2 8.6	13.4 11.6	79.3 78.2	4.7 4.2	10.8 6.9	7.3 6.6	5.9 4.4	6.7 5.4	4.8 6.3	30.0 90.9	70.0 9.1		45.0 97.0	35.0 90.9	100.0 97.0	3.72	8 Seidel
15.5 9.7	15.3 7.8	80.7 79.5	5.1 4.5	11.7 4.6	7.3 6.7	5.2 3.8	7.0 5.9	5.4 4.8	48.7 96.7	51.3 3.3		59.0 100.0	64.1 96.7	89.7 100.0	4.02	9 Sheley
13.1 8.7	9.6 17.5	76.2 75.7	5.2 4.4	7.7 9.2	7.2 6.6	4.6 8.4	6.5 5.5	5.1 10.3	33.3 94.1	66.7 5.9		59.3 94.1	37.0 94.1	100.0 94.1	4.14	10 Thompson
16.4 10.5	12.5 10.1	79.5 79.7	5.4 4.7	9.7 7.1	7.5 6.8	4.5 4.3	7.0 6.0	4.6 5.0	45.0 92.1	54.3 7.9	.7	68.2 98.3	51.4 94.2	96.5 97.6	4.10	Av. All Entries
18.2 11.8	11.0 9.0	80.1 80.8	5.7 4.9	9.1 7.1	7.7 6.9	4.1 3.8	7.3 6.2	3.9 4.2	47.1 92.4	52.2 7.6	.7	75.0 100.0	52.9 95.8	97.2 95.8	4.19	Av. B. Entries
14.5 9.1	13.9 11.2	78.9 78.5	5.0 4.4	10.3 7.0	7.3 6.6	4.9 4.8	6.7 5.7	5.3 5.7	43.0 91.8	56.3 8.2	.7	61.3 96.6	50.0 92.5	95.8 99.3	4.01	Av. W. Entries

CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA
TEST B

ENTRANT	KIND OF STOCK	STRAIN OR TRADE NAME	MATING PRO- CEDURE	NUMBER OF HENS IN FLOCK	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHTS (lbs.)						COEFF. OF VAR. (FINAL LIVE WEIGHT)
					2 WEEKS	8 WEEKS	END OF TEST		8 WEEKS	12 WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	26 WEEKS	

Statistical Significance of Differences Between Entries

Final Live Weight										
Toms										
Entry No.	<u>1</u>	<u>7</u>	<u>6</u>	<u>4</u>	<u>5</u>	<u>9</u>	<u>2</u>	<u>3</u>	<u>8</u>	<u>10</u>
Hens										
Entry No.	<u>7</u>	<u>4</u>	<u>1</u>	<u>6</u>	<u>5</u>	<u>9</u>	<u>3</u>	<u>10</u>	<u>2</u>	<u>8</u>
Eviscerated Weight										
Toms										
Entry No.	<u>1</u>	<u>7</u>	<u>6</u>	<u>4</u>	<u>5</u>	<u>9</u>	<u>3</u>	<u>2</u>	<u>8</u>	<u>10</u>
Hens										
Entry No.	<u>1</u>	<u>4</u>	<u>7</u>	<u>6</u>	<u>5</u>	<u>9</u>	<u>3</u>	<u>2</u>	<u>10</u>	<u>8</u>

TEXAS CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

1. Anderson, Mass.	BBW BR	Block Buster	Both	400	4	4	8	Toms	8.8				25.8	11.4
								Hens	7.1		14.3			8.4
2. Arnett, Oregon	BBB BR	Arnett	Both	200	4	6	9	Toms	8.6				24.7	9.9
								Hens	7.5		14.5			10.0
3. Browning, Kentucky	BBB SF	Browning	Both	42,500	3	4	6	Toms	9.3				27.1	9.5
								Hens	7.8		14.7			7.6
4. Central Mo. Missouri	BBB SF	Waite's	Nat.	22,000	1	3	9	Toms	8.9				27.4	9.9
								Hens	6.9		14.5			8.0
5. DeWitt, Texas	BBB BR	DeWitts 5D	Both	2,500	3	3	7	Toms	8.5				24.6	10.6
								Hens	6.7		13.8			8.5
6. DeWitt, Texas	BBB SF	DeWitts 5D	Both	30,000	5	6	11	Toms	8.4				24.3	9.0
								Hens	6.7		13.6			8.7
7. Gozzi, Connecticut	BBW BR	Guilford White	Both	5,000	8	11	16	Toms	8.6				24.6	11.3
								Hens	6.6		13.0			11.8
8. Janes, Texas	BBB BR	Janes Meat Str.	Both	1,000	1	2	6	Toms	8.9				26.7	8.4
								Hens	6.9		14.7			8.3
9. Janes, Texas	BBB SF	Janes Tex Spec.(SC)	Both	12,025	1	1	4	Toms	9.2				26.2	7.9
								Hens	6.5		14.1			7.6
10. Janes, Texas	BBB SF	Janes 2 (212) (SC)	Both	750	2	3	8	Toms	8.9				27.0	8.6
								Hens	7.4		14.7			4.2

CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA TEST B

Eviscerated Weight		Dressing Percentage	Breast Width		Body Depth		Keel Length		Overall Quality			% U. S. Grade A For:			Feed Conversion Ratio	Entrant
Pounds	Coeff. of Var.		Inches	Coeff. of Var.	Inches	Coeff. of Var.	Inches	Coeff. of Var.	% U. S. Grade			Fleshing	Finish	Freedom of Pin-Feathers		
									A	B	C					

Statistical Significance of Differences Between Entries

Breast Width

Entry No.	Toms	4	1	6	7	3	9	5	10	2	8
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Hens

Entry No.	1	7	4	6	3	10	5	9	2	8
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Body Depth

Entry No.	Toms	7	6	5	1	2	4	8	3	9	10
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Hens

Entry No.	5	7	1	6	3	4	9	2	10	8
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Keel Length

Entry No.	Toms	1	6	5	4	7	9	3	2	8	10
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Hens

Entry No.	1	4	7	5	6	9	2	3	10	8
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TEXAS CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

21.1	11.5	81.9	6.1	8.9	9.4	3.9	7.2	4.9	90.7	4.7	4.7	100.0	95.3	100.0	3.56	1
11.3	9.1	79.3	5.3	6.0	7.5	3.2	6.2	3.5	97.8	2.2		100.0	97.8	100.0	3.41	Anderson
20.4	9.7	82.9	6.3	9.2	9.0	3.6	7.0	3.8	90.7	9.3		97.7	95.3	100.0	3.59	2
11.7	9.9	81.0	5.6	7.6	7.5	3.7	6.2	5.7	95.7	4.3		100.0	95.7	100.0	3.44	Arnett
22.4	10.1	82.8	6.0	11.9	9.6	4.1	7.9	4.2	93.6	2.1	4.3	100.0	100.0	100.0	3.49	3
11.8	7.7	80.3	5.1	6.6	8.0	3.3	6.7	4.2	97.9	2.1		100.0	97.9	100.0	3.53	Browning
22.5	10.2	82.0	5.9	10.2	9.7	4.2	7.9	5.2	95.2		4.8	100.0	100.0	100.0	3.49	4
11.6	8.0	79.6	5.0	6.8	8.1	2.8	6.6	4.4	97.9	2.1		100.0	97.9	100.0	3.52	Cen. Mo.
20.3	11.1	82.4	5.8	10.7	9.5	2.7	7.6	4.5	86.0	14.0		100.0	90.7	97.7	3.56	5
11.2	9.1	80.7	5.1	5.9	7.8	2.7	6.4	4.0	96.0	4.0		100.0	98.0	98.0	3.38	DeWitt
20.1	8.7	82.8	5.7	10.0	9.3	3.7	7.6	4.2	81.4	16.3	2.3	100.0	86.0	97.7	3.58	6
10.7	7.9	78.8	4.9	9.8	7.7	3.4	6.4	4.7	89.1	10.9		100.0	93.5	95.7	3.34	DeWitt
20.2	11.6	82.1	6.0	10.3	9.2	4.4	7.3	4.5	97.1	2.9		100.0	97.1	100.0	3.59	7
10.4	12.3	79.6	5.3	5.9	7.3	4.8	6.1	5.4	97.8	2.2		100.0	97.8	100.0	3.24	Gozzi
21.9	8.9	82.0	6.0	8.6	9.6	4.6	7.7	5.0	86.0	7.0	7.0	100.0	100.0	93.0	3.56	8
11.7	8.6	79.8	5.2	6.6	7.9	3.5	6.5	4.2	97.9	2.1		100.0	97.9	100.0	3.41	Janes
21.6	8.0	82.5	5.6	9.4	9.6	4.0	7.8	4.1	95.7	4.3		100.0	97.8	100.0	3.52	9
11.2	7.8	79.9	5.0	5.0	7.9	2.9	6.4	3.9	100.0			100.0	100.0	100.0	3.51	Janes
22.3	8.9	82.7	6.0	10.2	9.5	3.6	7.7	3.6	95.3		4.7	100.0	100.0	100.0	3.43	10
11.8	5.8	80.3	5.2	5.2	8.0	2.5	6.4	3.7	100.0			100.0	100.0	100.0	3.50	Janes

TEXAS CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

ENTRANT	KIND OF STOCK	STRAIN OR TRADE NAME	MATING PRO-CEDURE	NUMBER OF HENS IN FLOCK	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHTS (lbs.)						COEFF. OF VAR. (FINAL LIVE WEIGHT)
					2 WEEKS	8 WEEKS	END OF TEST		8 WEEKS	12 WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	26 WEEKS	
11. Janes, Texas	BBW BR	Janes Broad Wh.	Both	10,000	0	0	4	Toms Hens	8.0 5.8			12.5		23.5	9.0 9.0
12. Jensen, California	BBB BR	Jensen	Both	2,000	8	8	11	Toms Hens	9.2 7.5			14.8		27.3	7.6 8.0
13. Kent, Texas	BBB SF	Kent	Both	7,500	2	3	5	Toms Hens	9.1 7.1			14.5		27.6	11.0 8.9
14. Menefee, Oregon	BBB SF	Menefee	Nat.	16,000	2	2	11	Toms Hens	9.8 8.1			15.4		27.9	9.4 5.5
15. Nicholas, California	BBB BR	Nicholas	Nat.	700	8	10	12	Toms Hens	9.2 8.1			15.1		26.8	8.3 6.8
16. Nicholas, California	BBB SF	Nicholas "51" (SC)	Both	1,600	3	3	5	Toms Hens	9.2 7.4			15.1		26.3	8.8 7.3
17. Nicholas, California	BBB SF	Nicholas "71" (SC)	Both	1,800	0	1	5	Toms Hens	9.2 7.6			15.1		27.0	8.0 5.7
18. River Rest, Oklahoma	BBW BR	River Rest	Nat.	500	1	6	11	Toms Hens	8.4 6.2			13.8		25.2	8.1 7.3
19. Rusk, Washington	BBB BR	Rusk	Nat.	4,620	6	6	8	Toms Hens	8.8 7.4			14.5		26.1	10.4 6.5
20. Rusk, Washington	BBW BR	Rusk's White	Nat.	485	5	7	11	Toms Hens	8.3 6.5			13.6		24.6	8.0 7.2
21. Thompson, Arkansas	BBW BR	Thompson's Broad Wh.	Both	4,200	1	1	7	Toms Hens	7.8 6.5			13.5		24.0	10.1 7.4
22. Wallis, Texas	BBB BR	Wallis	Nat.	1,000	4	5	8	Toms Hens	9.5 7.0			14.8		27.6	7.9 10.3
23. Wallis, Texas	BBW BR	Wallis	Nat.	250	2	4	5	Toms Hens	8.4 6.5			13.3		24.7	9.1 8.0
Average, All Entries					3.2	4.3	8.1	Toms Hens	8.8 7.0			14.3		26.0	9.2 7.9
Average, Bronze Entries					3.3	4.1	7.8	Toms Hens	9.0 7.3			14.6		26.5	9.1 7.6
Average, White Entries					3.0	4.7	8.9	Toms Hens	8.3 6.5			13.4		24.7	9.6 8.4

TEXAS CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

EVisCERATED WEIGHT		DRESSING PERCENTAGE	BREAST WIDTH		BODY DEPTH		KEEL LENGTH		OVERALL QUALITY			% U. S. GRADE A FOR:			FEED CONVER- SION RATIO	ENTRANT
POUNDS	COEFF. OF VAR.		INCHES	COEFF. OF VAR.	INCHES	COEFF. OF VAR.	INCHES	COEFF. OF VAR.	% U. S. GRADE			FLESHING	FINISH	FREEDOM OF PIN- FEATHERS		
									A	B	C					
19.2	9.5	81.7	5.5	9.6	9.2	3.6	7.6	4.0	93.3	6.7		97.8	93.3	100.0	3.57	11
9.8	9.2	78.6	4.8	6.7	7.6	3.4	6.3	4.8	96.1	3.9		100.0	96.1	100.0	3.35	Janes
22.5	7.8	82.4	6.6	8.3	9.7	3.2	7.8	4.1	97.6		2.4	100.0	100.0	100.0	3.51	12
12.0	8.2	81.3	5.4	5.3	7.9	4.1	6.7	4.1	97.8	2.2		100.0	100.0	97.8	3.57	Jensen
22.8	11.4	82.6	6.2	10.6	9.5	3.6	7.7	7.1	93.2	2.3	4.5	98.0	100.0	97.7	3.38	13
11.5	9.4	79.3	5.1	9.0	7.9	3.2	6.5	5.5	98.0	2.0		100.0	98.0	100.0	3.42	Kent
23.2	10.1	83.0	6.8	8.9	9.5	3.8	7.5	4.1	97.7		2.3	100.0	100.0	100.0	3.57	14
12.4	6.5	80.5	5.7	7.8	7.6	3.5	6.5	4.4	100.0			100.0	100.0	100.0	3.37	Menefee
22.1	9.1	82.3	6.1	9.8	9.7	4.3	7.5	4.1	95.9	4.1		100.0	98.0	100.0	3.52	15
12.4	6.6	81.7	5.6	8.3	7.8	2.8	6.6	4.0	100.0			100.0	100.0	100.0	3.48	Nicholas
22.0	8.6	83.5	6.0	8.5	9.5	3.4	7.6	4.1	95.7	2.2	2.2	100.0	97.8	100.0	3.47	16
12.2	7.6	80.7	5.5	6.2	7.9	2.8	6.5	3.2	100.0			100.0	100.0	100.0	3.58	Nicholas
22.3	7.6	82.7	6.3	8.2	9.6	3.5	7.6	3.8	97.8		2.2	100.0	100.0	100.0	3.60	17
12.3	5.7	81.2	5.4	5.7	7.8	2.2	6.5	3.4	98.0	2.0		100.0	100.0	98.0	3.39	Nicholas
20.9	8.6	82.9	5.6	10.7	9.6	2.6	7.7	4.3	86.7	8.9	4.4	100.0	93.3	100.0	3.58	18
11.0	7.4	79.4	4.8	5.6	7.8	2.9	6.3	3.7	97.6	2.4		100.0	97.6	100.0	3.39	River Rest
21.4	10.0	81.9	5.9	9.4	9.6	4.0	7.7	4.4	90.7	4.7	4.7	100.0	97.7	100.0	3.58	19
11.8	7.9	81.7	5.3	5.6	7.8	3.3	6.5	4.6	100.0			100.0	100.0	100.0	3.46	Rusk
20.2	8.2	82.2	5.9	8.2	9.4	3.8	7.4	3.5	97.4	2.6		100.0	97.4	100.0	3.56	20
10.9	8.3	79.7	5.1	5.1	7.7	3.3	6.3	5.7	98.0	2.0		100.0	98.0	100.0	3.55	Rusk
19.6	10.3	81.9	5.8	9.5	9.2	3.9	7.3	5.1	91.9	5.4	2.7	100.0	97.3	100.0	3.64	21
10.6	7.6	78.5	5.1	6.9	7.5	4.3	6.2	5.6	100.0			100.0	100.0	100.0	3.49	Thompson
22.7	8.8	82.3	5.9	11.9	9.8	3.0	8.0	3.4	86.0	9.3	4.7	98.0	93.0	93.0	3.58	22
12.0	10.5	81.1	5.2	6.4	8.0	4.2	6.7	4.8	95.9	4.1		100.0	98.0	98.0	3.37	Wallis
20.2	10.3	81.7	5.7	9.2	9.2	3.6	7.5	4.1	97.8		2.2	100.0	100.0	100.0	3.59	23
10.5	8.7	79.0	5.0	5.8	7.5	2.5	6.3	3.8	98.0	2.0		100.0	98.0	100.0	3.33	Wallis
21.4	9.5	82.4	6.0	9.7	9.5	3.7	7.6	4.4	92.8	4.6	2.6	99.6	97.0	99.1	3.55	Av. All
11.4	8.3	80.1	5.2	6.5	7.8	3.3	6.4	4.5	97.8	2.2		100.0	98.4	99.5	3.44	Entries
21.9	9.3	82.6	6.1	9.7	9.5	3.7	7.7	4.4	92.4	4.7	2.9	99.6	97.3	98.7	3.53	Av. B.
11.8	8.0	80.5	5.3	6.7	7.9	3.2	6.5	4.4	97.8	2.2		100.0	98.6	99.2	3.45	Entries
20.2	10.0	82.1	5.8	9.5	9.3	3.7	7.4	4.3	93.6	4.4	2.0	99.7	96.2	100.0	3.59	Av. W.
10.6	8.9	79.2	5.1	6.0	7.6	3.5	6.2	4.6	97.9	2.1		100.0	97.9	100.0	3.41	Entries

Texas Central Random Sample Turkey Meat Production Test

Statistical Significance of Differences Between Entries

		Live Weight																						
		Toms																						
Entry No.		14	22	13	4	12	3	10	17	15	8	16	9	19	1	18	23	2	5	20	7	6	21	11
		Hens																						
Entry No.		14	15	16	17	22	12	8	10	3	4	19	13	2	1	9	18	5	20	6	21	23	7	11
		Eviscerated Weight																						
Entry No.		14	13	22	12	4	3	10	17	15	16	8	9	19	1	18	2	5	20	23	7	6	21	11
		Hens																						
Entry No.		14	15	17	16	12	22	19	10	3	8	2	4	13	1	9	5	18	20	6	21	23	7	11
		Dressing Percentage																						
Entry No.		16	14	18	2	6	3	17	13	9	10	12	5	15	22	20	7	4	8	21	19	1	23	11
		Hens																						
Entry No.		15	19	12	17	22	2	5	16	14	3	10	9	8	20	7	4	18	1	13	23	6	11	21
		Breast Width																						
Entry No.		14	12	17	2	13	15	1	10	7	16	8	3	19	20	4	22	5	21	6	23	9	18	11
		Hens																						
Entry No.		14	2	15	16	12	17	19	1	7	10	8	22	3	13	5	21	20	9	23	4	6	18	11
		Body Depth																						
Entry No.		22	12	4	15	17	3	8	9	18	19	14	13	10	16	5	1	20	6	23	11	21	7	2
		Hens																						
Entry No.		4	22	10	3	9	8	13	12	16	17	19	18	5	15	6	20	14	11	23	2	21	1	7
		Keel Length																						
Entry No.		22	4	3	9	12	18	10	13	8	19	5	6	16	11	17	14	15	23	20	21	7	1	2
		Hens																						
Entry No.		22	3	12	4	15	16	19	13	14	8	17	5	10	6	9	11	18	23	20	21	1	2	7